SANYO

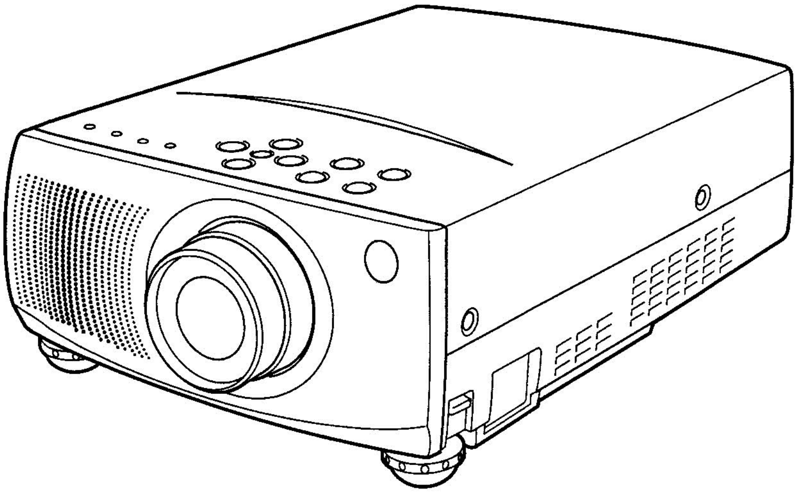
FILE NO.

SERVICE MANUAL Multimedia Projector

Model No. PLC-XW10

U.S.A., Canada,
Europe, Asia, Africa
U.K

Original Version



Chassis No. MP6-XW1000

NOTE: Match the Chassis No. on the unit's back cover with the Chassis No. in the Service Manual.

If the Original Version Service Manual Chassis No. does not match the unit's, additional Service Literature is required. You must refer to "Notices" to the Original Service Manual prior to servicing the unit.

PRODUCT CODE

(MP6A)	**1 122 091 00**
(PP6A)	**1 122 097 00**
(PP6C)	**1 122 097 02**

REFERENCE NO. SM5110185

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■ Safety Instructions

SAFETY PRECAUTIONS

WARNING:
The chassis of this projector is isolated (COLD) from AC line by using the converter transformer. Primary side of the converter and lamp power supply unit circuit is connected to the AC line and it is hot, which hot circuit is identified with the line (⏚⏚⏚) in the schematic diagram. For continued product safety and protection of personnel injury, servicing should be made with qualified personnel.

The following precautions must be observed.

1: An isolation transformer should be connected in the power line between the projector and the AC line before any service is performed on the projector.

2: Comply with all caution and safety-related notes provided on the cabinet back, cabinet bottom, inside the cabinet or on the chassis.

3: When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as, control knobs, adjustment covers or shields, barriers, etc.

DO NOT OPERATE THIS PROJECTOR WITHOUT THE PROTECTIVE SHIELD IN POSITION AND PROPERLY SECURED.

4: Before replacing the cabinet cover, thoroughly inspect the inside of the cabinet to see that no stray parts or tools have been left inside.

Before returning any projector to the customer, the service personnel must be sure it is completely safe to operate without danger of electric shock.

PRODUCT SAFETY NOTICE

Product safety should be considered when a component replacement is made in any area of the projector. Components indicated by mark ⚠ in the parts list and the schematic diagram designate components in which safety can be of special significance. It is, therefore, particularly recommended that the replacement of there parts must be made by exactly the same parts.

SERVICE PERSONNEL WARNING

Eye damage may result from directly viewing the light produced by the Lamp used in this equipment. Always turn off Lamp before opening cover. The Ultraviolet radiation eye protection required during this servicing.
Never turn the power on without the lamp to avoid electric-shock or damage of the devices since the stabilizer generates high voltages(15kV - 25kV) at its starts.
Since the lamp is very high temperature during units operation replacement of the lamp should be done at least 45 minutes after the power has been turned off, to allow the lamp cool-off.

Specifications

Projector Type	Multi-media Projector
Dimensions (W x H x D)	7.44" x 2.93" x 11.42" (189mm x 74.5mm x 290mm)
Net Weight	5.51 lbs (2.5 kg)
LCD Panel System	0.7" TFT Active Matrix type, 3 panels
Panel Resolution	1024 x 768 dots
Number of Pixels	2,359,296 (1024 x 768 x 3 panels)
Color System	6 color system (PAL, SECAM, NTSC, NTSC4.43, PAL-M and PAL-N)
High Definition TV SIgnals	480i, 480p, 575i, 575p, 720p. 1035i and 1080i
Scanning Frequency	H-sync. 15 ~ 100kHz, V-sync. 50 ~ 100Hz
Projection Image Size (diagonal)	Adjustable from 30" to 200"
Horizontal Resolution	550 TV lines
Projection Lens	F 2.0 ~ 2.3 lens with f 28mm ~ 33.6mm Manual zoom and focus
Throw Distance	4.6' ~ 26.3' (1.4m ~ 8.0m)
Projection Lamp	132 watt type
AV Input Jacks	RCA Type x 3 (Video/Y, Cb/Pb, Cr/Pr) and Mini DIN 4 pin x 1(S-Video)
AV Audio Input Jack	Mini Jack (stereo)
Computer Input Jack	(VGA) HDB15 Terminal x 1
Computer Audio Jack	Mini Jack (stereo)
Control Port Jack	Mini DIN 8 pin x 1
Audio Output Jack	Mini Jack (stereo)
Internal Audio Amp.	1W RMS (monaural)
Built-in Speaker	1 speaker, 1.57" x 1.18" (40mm x 30mm)
Feet Adjustment	0° to 7.6°
Voltage and Power Consumption	AC 100 ~ 120V (2.4A Max. Ampere), 50/60Hz (The U.S.A and Canada) AC 200 ~ 240V (1.2A Max. Ampere), 50/60Hz (Continental Europe and The UK.)
Operating Temperature	41°F ~ 95°F (5°C ~ 35°C)
Storage Temperature	14°F ~ 140°F (-10°C ~ 60°C)
Remote Control Transmitters	Wireless Remote Control, batteries AA, UM3 or R06 Type x 2

- The specifications are subject to change without notice.

C UL US LISTED

This symbol on the nameplate means the product is Listed by Underwriters Laboratories Inc. It is designed and manufactured to meet rigid U.L. safety standards against risk of fire, casualty and electrical hazards.

■ Note on Servicing

When you carry out the electrical, optical service adjustment or repairing with cabinet top removal, it should be done under the service conditions listed below. If you can not keep the one of following conditions, the projector turns off automatically by operating the protection circuit.

Service Conditions:	
Operating Temperature	: 41°F ~ 81°F (5°C ~ 30°C)
Fans Control	: Maximum
AC Power Supply	: 100 ~ 120V or 200V ~ 240V

To set the Fan Control to maximum, follow the Fan Control Setting Procedure below;

Fan Control Setting Procedure

1. Enter to the service mode.
2. Select adjustment item no.<29> and change data value to <0> to <1>. Now the cooling fans operate in maximum.
3. Exit from the service mode.

After finishing the works, restore the service data to <0> following to the steps 1 to 3.

* Please refer to the "Service Adjustment Menu Operation" described on page 23 for how to entering the service mode and changing the service data.

■ Adjustments after Parts Replacement

● : Adjustment necessary ○ : Check necessary

		Disassembly / Replaced Parts								
		LCD/ Prism Ass'y	Integrator lens	Relay Lens	Polarized glass			Power Board	Component Board	Main Board
					R	G	B			
Optical Adjustments	Integrator Lens Adjustment	○	●							
	Relay Lens Adjustment	○		●						
	Contrast Adjustment									
	R-Contrast adjustment				●					
	G-Contrast adjustment					●				
	B-Contrast adjustment						●			
Electrical Adjustments	Output voltage adjustment							●		
	FAN voltage adjustment								●	●
	PC offset adjustment									●
	PC gain adjustment									●
	Component gain adjustment									●
	AV gain adjustment									●
	PSIG Adjustment									●
	Signal center adjustment									●
	PC Gamma off video adjustment									●
	PC/AV signal adjustment-1									●
	PC/AV signal adjustment-2									●
	S/H clock adjustment									●
	Common center adjustment	●								●
	White balance adjustment	○								○
	Black balance adjustment	○								○

■ Circuit Protections

This projector is equipped with the following circuit protections to operate in safety. If the abnormality occurs inside the projector, it will automatically turn off by operating one of the following protection circuits.

Fuse

The fuse is located inside of the projector. When either the LAMP indicator or the READY indicator is not illuminated, fuse may be opened. Check the fuse as following steps.

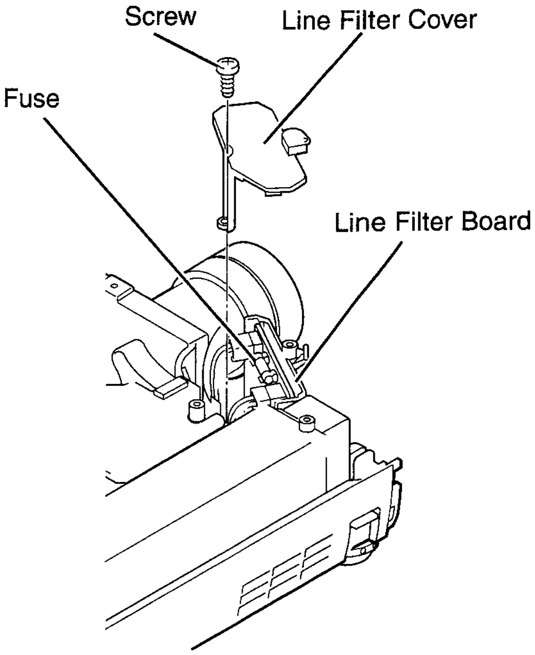
It should be used the specified fuse as follows;

Fuse Part No.: 423 022 2102
TYPE T4.0AH 250V FUSE
LITTLE FUSE INC. TYPE 215004

How to replace the fuse

1. Remove the cabinet top and main board following to "Mechanical Disassemblies".
2. Remove a screw and the line filter cover upward.
3. Remove the fuse from fuse holder.

To install the fuse, take reversed step in the above.



Thermal switch

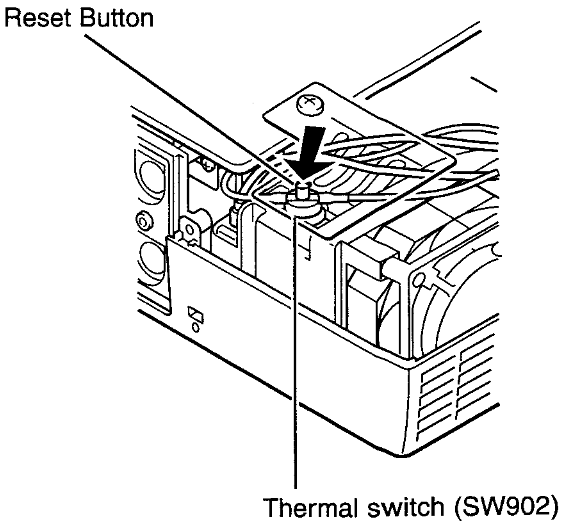
There is the thermal switch (SW902) inside of the projector to prevent the internal temperature from rising abnormally. When the internal temperature reaches near 100°C, turn off the AC main power supply automatically.
The thermal switch is not reset to normal automatically even if the internal temperature becomes normal. Reset the thermal switch following procedure.

Check the resistance between terminals of thermal switch by using the tester. If it has high impedance, thermal switch may be in operative.

How to reset the thermal switch

1. Remove the cabinet top following to "Mechanical Disassemblies".
2. Press the reset button on the thermal switch.

CAUTION:
Before press the reset button, disconnect the AC cord from the projector.



Warning temperature and power failure protection

The TEMP WARNING indicator flashes red and the projector will automatically turn off when the internal temperature of the projector exceeds the normal temperature or when stopping cooling fans or when the internal power supply lines are failed.

Check the following possible causes and wait until stopping the TEMP WARNING indicator flashing.

Possible causes

- Air filter is clogged with dust particles. Remove dust from the air filter by following instructions in the "Air filter care and cleaning" below.
- Ventilation slots of the projector are blocked. In such an event, reposition the projector so that ventilation slots are not obstructed.
- Check if projector is used at higher temperature place (Normal operating temperature is 5 to 35 °C or 41 to 95°F)

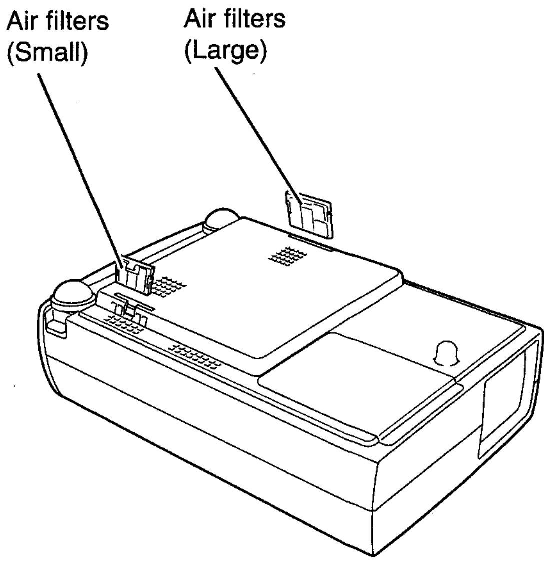
If the TEMP WARNING indicator still continues to flash, there may be defects on cooling fans or power supply circuits. Please check fan operation and power supply lines referring to the "Power Supply Lines Chart".

Air filter care and cleaning

The removable air filters prevents dust from accumulation on the surface of the projection lens and projection mirror. Should the air filter become clogged with dust particles, it will reduce the cooling fan's effectiveness and may result in internal heat build up and reduce the life of the projector.

To clean up the air filters, follow the cleaning procedure below:

1. Turn the power off, and disconnect the AC power cord from the AC outlet.
2. Turn the projector up side down and remove 2 air filters (Large and Small) by pulling the latches of them upward.
3. Clean the air filters with brush or wash out the dust and particles.
4. Replace each air filter properly. Make sure that the air filters are fully inserted.



CAUTION:

Do not operate the projector with the air filter removed. The dust is stuck on the LCD panel and the mirror, and it may spoil the fine picture image.
Do not put the small parts into the air filter intake vents. It result in the malfunction of the projector. The air filter is small parts. Take care that children don't eat or swallow it.

RECOMMENDATION

We recommend to avoid dusty, smoky place for operating the projector. Using in dusty place may cause the picture of poor quality.
When using under the dusty or smoky conditions, dust may accumulate on the LCD panel and lens inside it, and may resultantly be projected on the screen together with the picture.
When the above symptoms are noticed, please clean up the LCD panel and lens following to the "Cleaning Method".

■ Mechanical Disassemblies

Mechanical disassemble should be made following procedures in numerical order.
Following steps show the basic procedures, therefore unnecessary step may be ignored.

Caution:
The parts and screws should be placed exactly the same position as the original otherwise it may cause loss of performance and product safety.

1. CABINET TOP REMOVAL

Remove 5 screws and pull cabinet top upward.

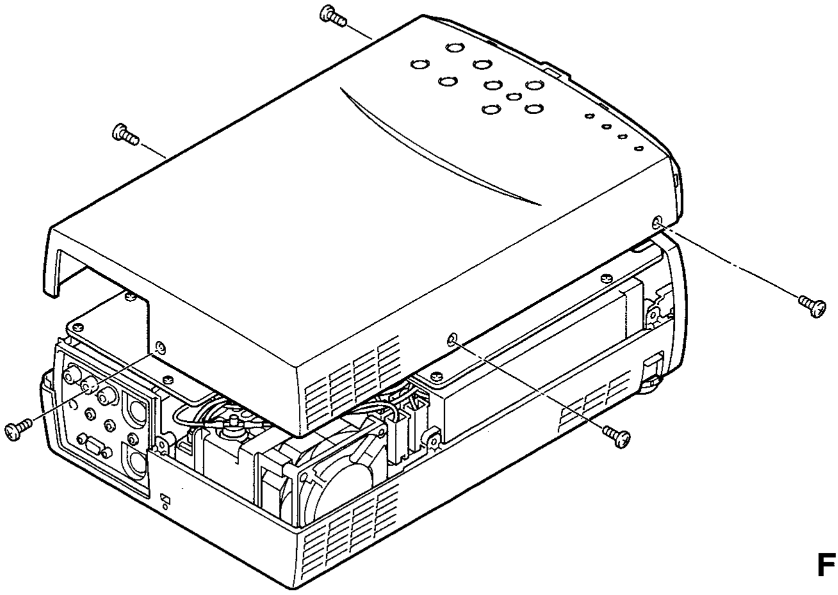


Fig.1

2. CABINET FRONT AND SPEAKER REMOVAL

1) Remove 4 screws (2 top and 2 bottom) **A** and take the cabinet front off forward.
2) Remove 2 screws **B** and then remove RC board and temp board.
3) Remove 4 screws **C** and the speaker.

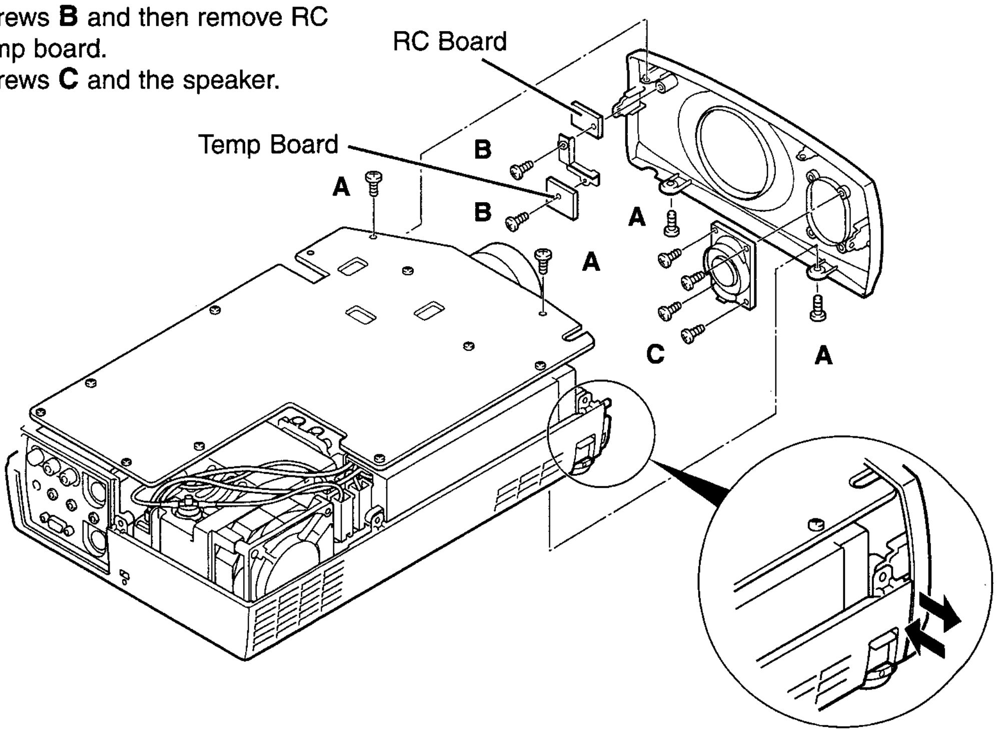


Fig.2

3. MAIN BOARD REMOVAL

Remove 9 screws and remove the main board upward.

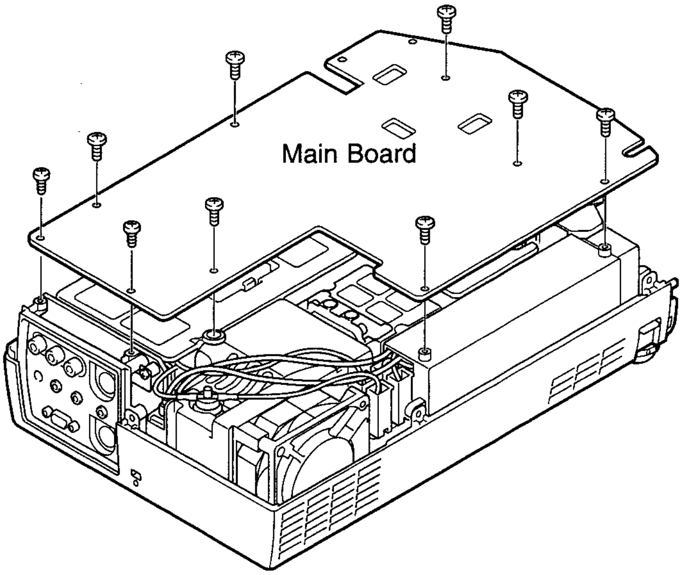


Fig.3

FUSE REMOVAL

Remove a screw and pull the line filter cover upward and then replace the fuse if required.

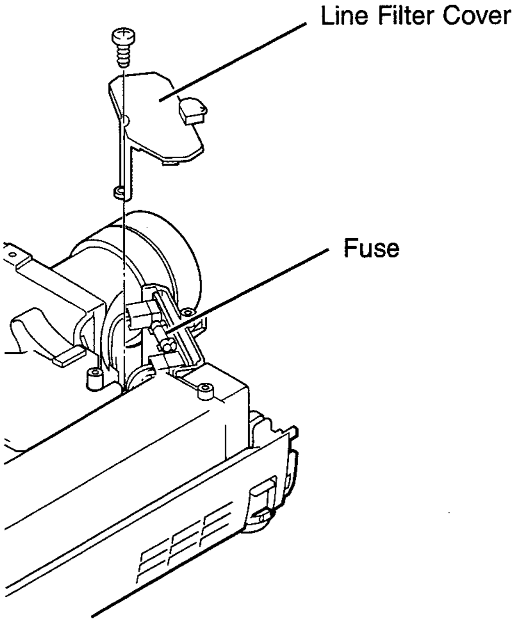

Line Filter Cover
Fuse

Fig.4

4. AV AND COMPONENT BOARD REMOVAL

1) Remove 3 screws **A** and FPC cables, and then take the component board off upward.
2) Remove a screw **B** and a grounding lead, and then take the AV board ass'y off upward.

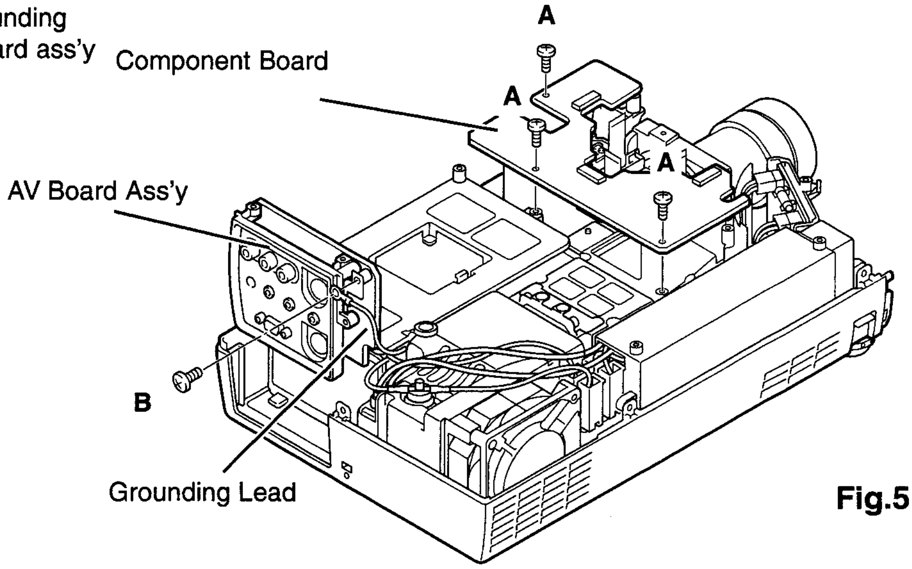

A
Component Board
A
A
AV Board Ass'y
B
Grounding Lead

Fig.5

5. LINE FILTER BOARD REMOVAL

1) Remove a screw **A** and remove a grounding lead.
2) Remove 2 screws **B** and take the line filter ass'y off upward.
3) Remove the line filter board from line filter holder.

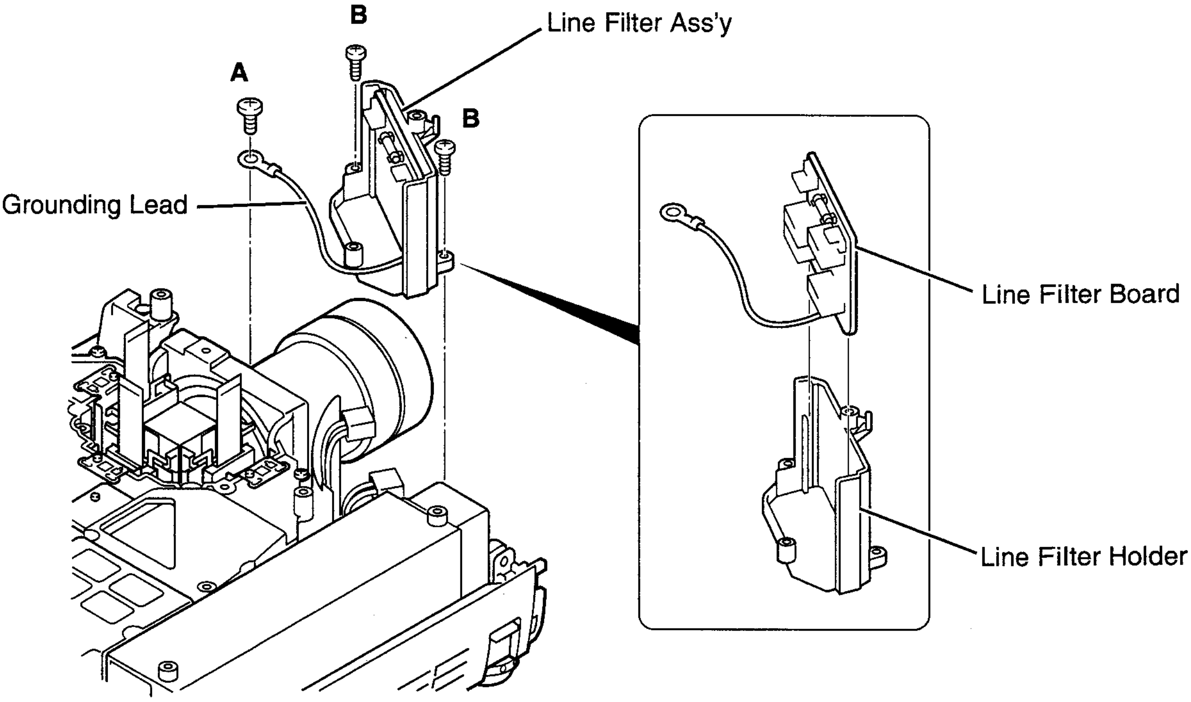

B
Line Filter Ass'y
A
B
Grounding Lead
Line Filter Board
Line Filter Holder

Fig.6

6. LAMP BALLAST UNIT FAN(FN905) REMOVAL

1) Disconnect the thermal switch sockets.
2) Remove a screw **A** and disconnect the lamp socket.
3) Remove 2 screws **B** (bottom side) and a screw **C**, and the remove the lamp ballast unit upward.
4) Take the cover off from the lamp ballast unit and remove 4 screws **D** and take the lamp ballast board off from the holder.
5. Remove the fan FN905 from the holder.

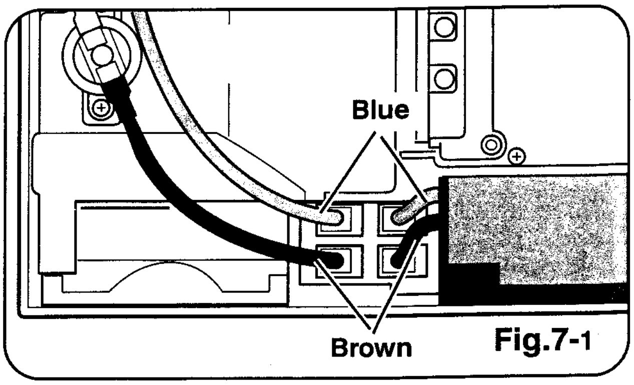


Fig.7-1

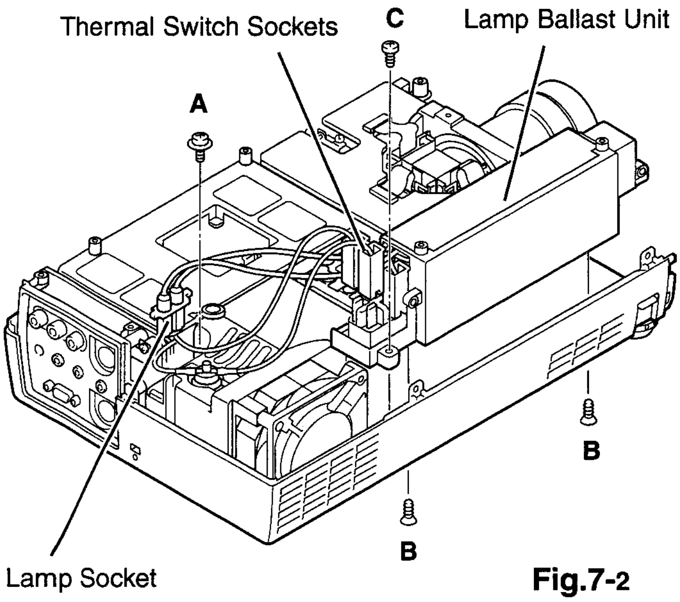

Thermal Switch Sockets
C
Lamp Ballast Unit
A
B
B
Lamp Socket

Fig.7-2

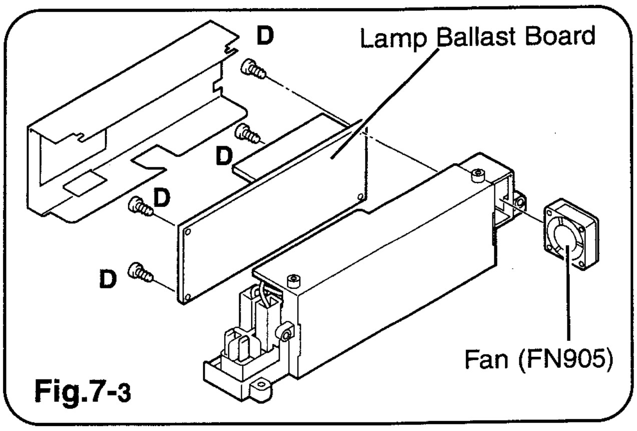

D
Lamp Ballast Board
D
D
D
Fan (FN905)

Fig.7-3

7. POWER BOARD REMOVAL

1) Remove 2 screws **A** and take the power unit cover off upward.
2) Remove 3 screws **B** and pull the power board upward.

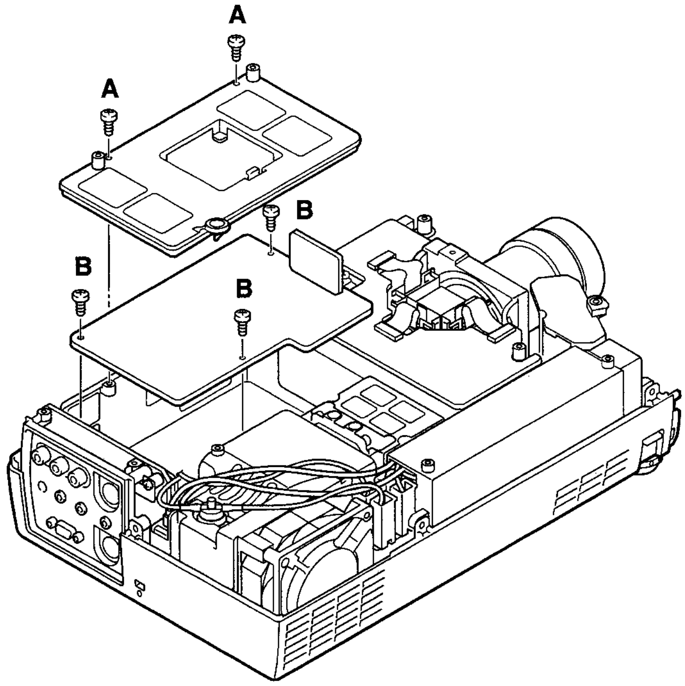


Fig.8

8. OPTICAL UNIT AND FAN(FN901) REMOVAL

1) Remove 2 screws **A** and the thermal switch.
2) Remove a screw **B** and disconnect the lamp socket.
3) Remove 7 screws **C** and pull the optical unit upward.
4) Remove 2 screws **D** and fan (FN901).

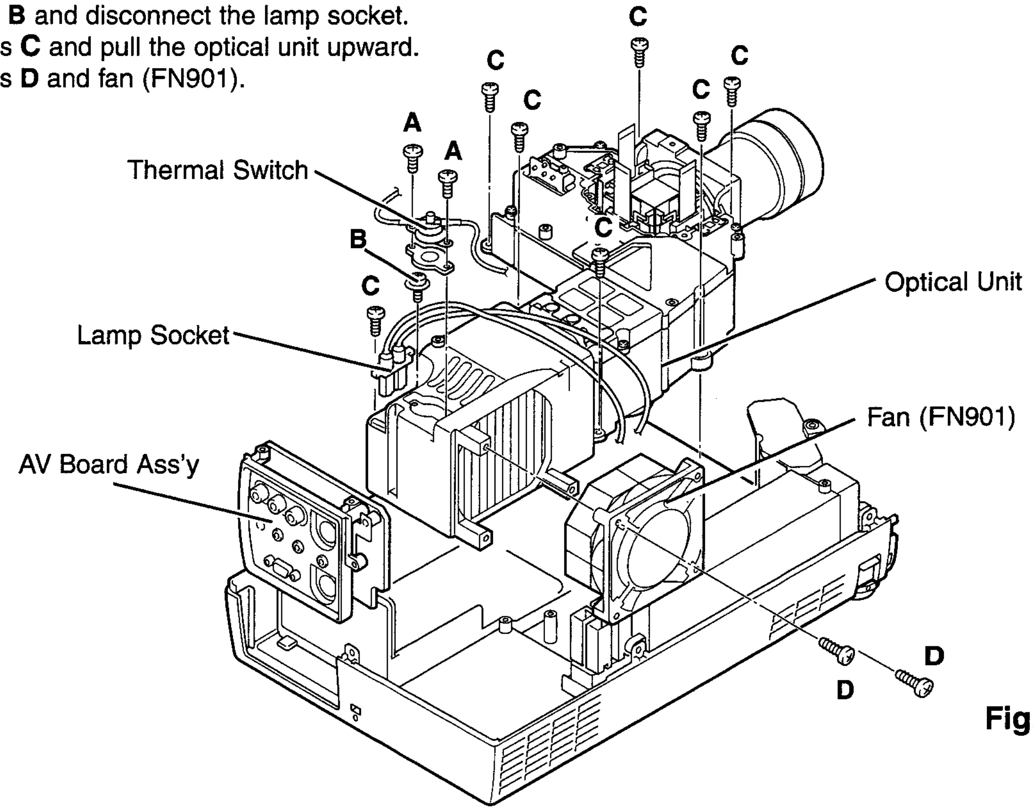

C
C
C
C
C
A
A
Thermal Switch
B
C
C
Optical Unit
Lamp Socket
Fan (FN901)
AV Board Ass'y
D
D

Fig.9

9. AUDIO AMP. BOARD REMOVAL

1) Remove a screw **A** (bottom side) and 2 screws **B**, and then pull the power unit holder upward.
2) Remove 2 screws **C** and take the audio amp. board off from the power unit holder

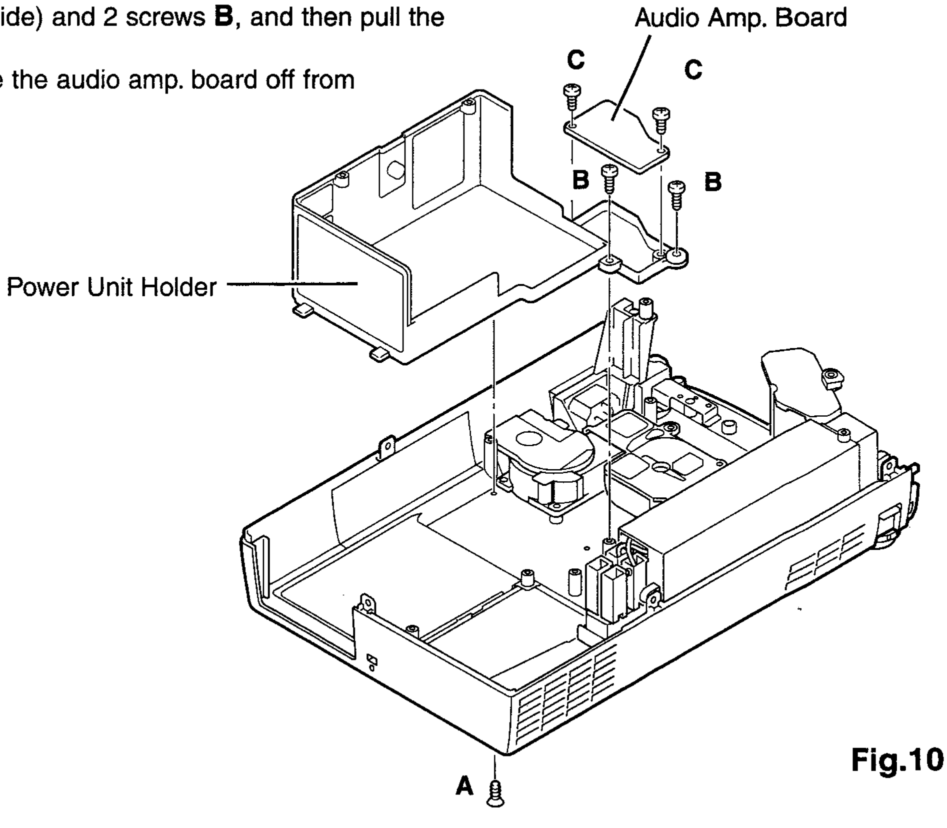

Audio Amp. Board
C
C
B
B
Power Unit Holder
A

Fig.10

10. FANS(FN902, FN903, FN904) REMOVAL

1) Remove 4 screws **A** and 3 screws **B** and remove the duct cover and fans (FN902 and FN903).
2) Remove 2 screws **C** and fan (FN904), and remove 2 screws **D** and fan holder.

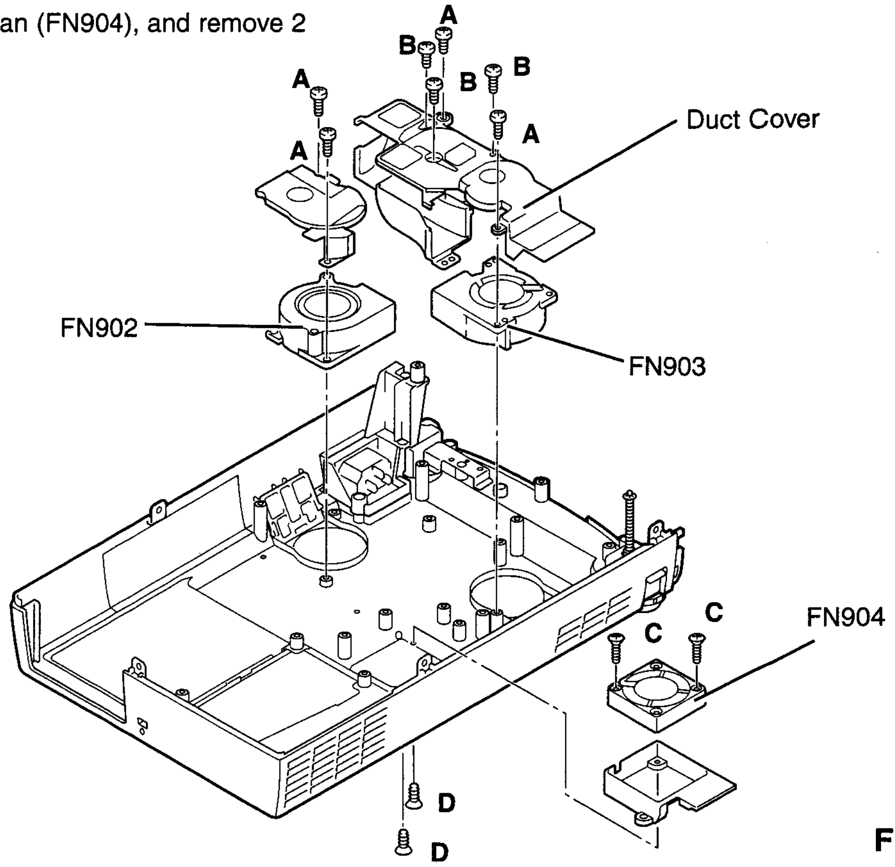

A
B
B
B
A
A
A
Duct Cover
FN902
FN903
C
C
FN904
D
D

Fig.11

11. AC INLET ASS'Y REMOVAL

1) Remove a screw **A** and a grounding lead.
2) Remove 2 screws **B** and pull the AC inlet ass'y upward.

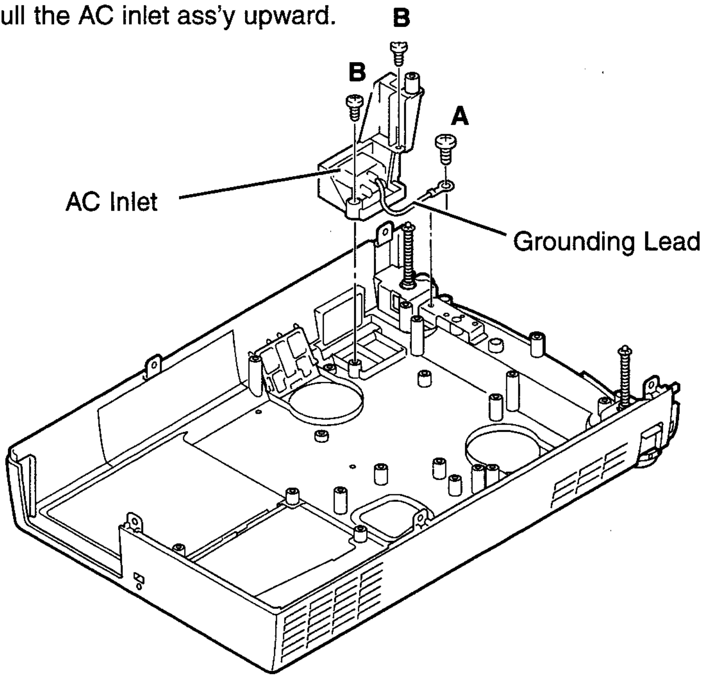

B
B
A
AC Inlet
Grounding Lead

Fig.12

■ Optical Parts Disassemblies

1. PROJECTION LENS REMOVAL

1) Remove the Cabinet top and cabinet front following to "Mechanical Disassemblies".
2) Remove 4 screws and remove the Projection Lens.

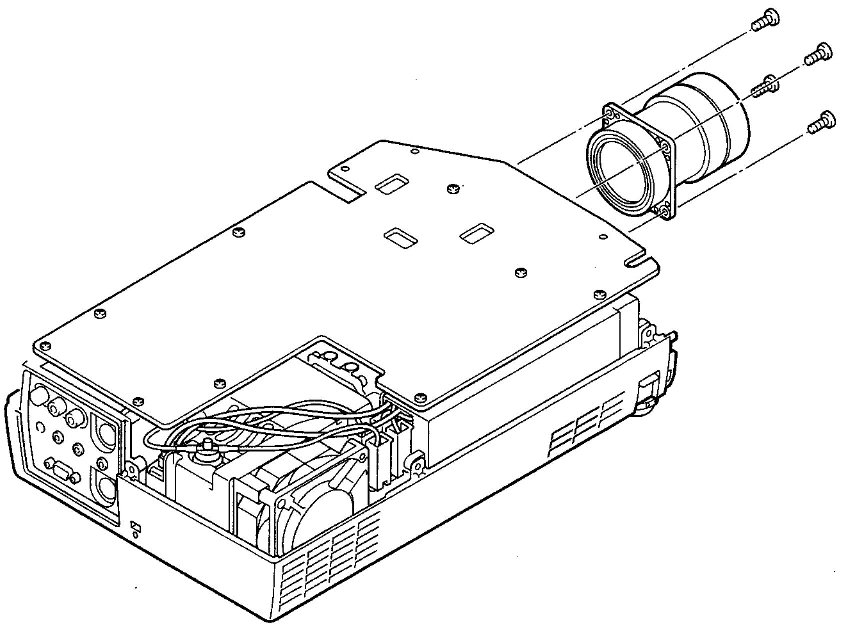


Fig.1

2. OPTICAL UNIT TOP REMOVAL

1) Remove the Cabinet top, front, main board, component boards and power unit cover following to "Mechanical Disassemblies".
2) Remove 6 screws and take the optical unit top off upward.

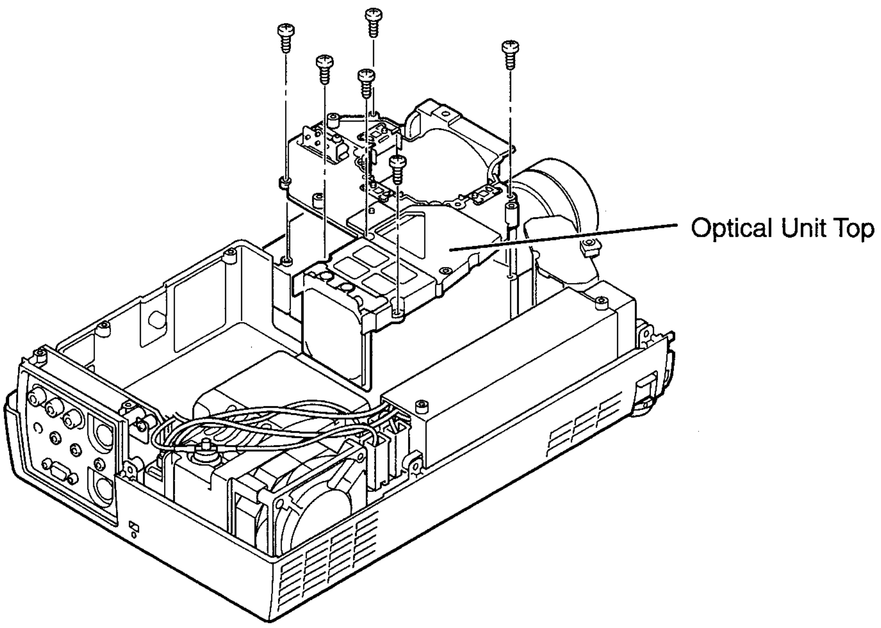


Fig.2

3. INTEGRATOR LENS ASS'Y DISASSEMBLY

1) Remove the cabinet top, front and main board following to "Mechanical Disassemblies".
2) Remove 2 screws **A** and take the integrator lens ass'y off upward.
3) Release 4 hooks **B** on the holder and remove the integrator lens.

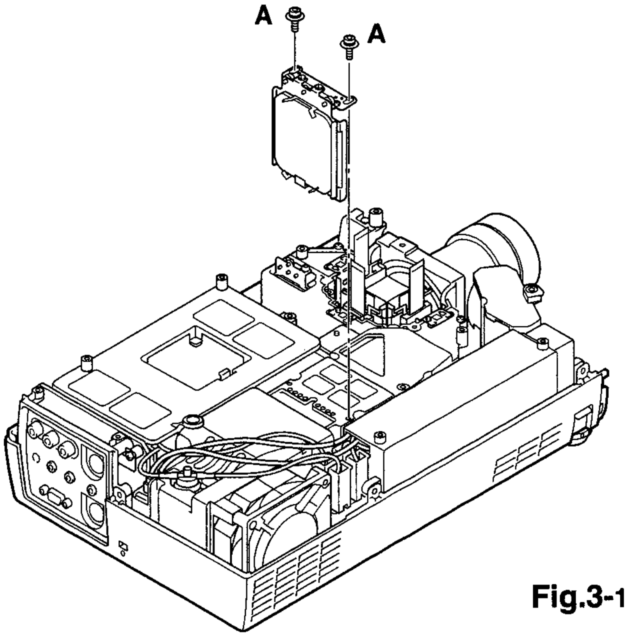


Fig.3-1

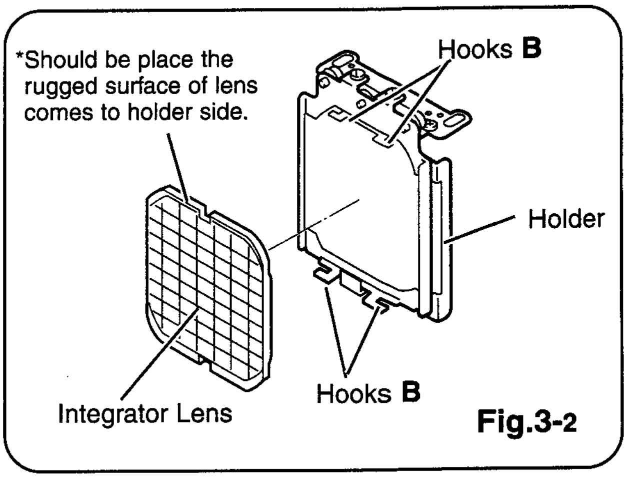

*Should be place the rugged surface of lens comes to holder side.
Hooks B
Holder
Hooks B
Integrator Lens

Fig.3-2

4. RELAY LENS ASS'Y DISASSEMBLY

1) Remove the cabinet top, front, main and component boards following to "Mechanical Disassemblies".
2) Remove 2 screws **A** and take the relay lens ass'y off upward.
3) Remove 2 screws **B** on the holder and take the relay lens off.

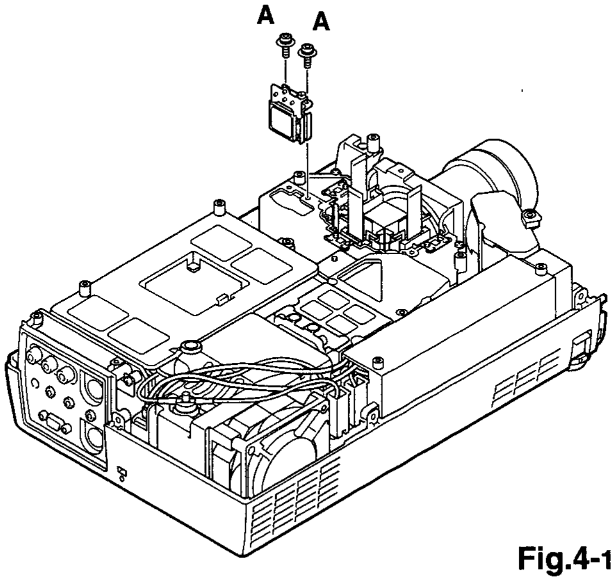


Fig.4-1

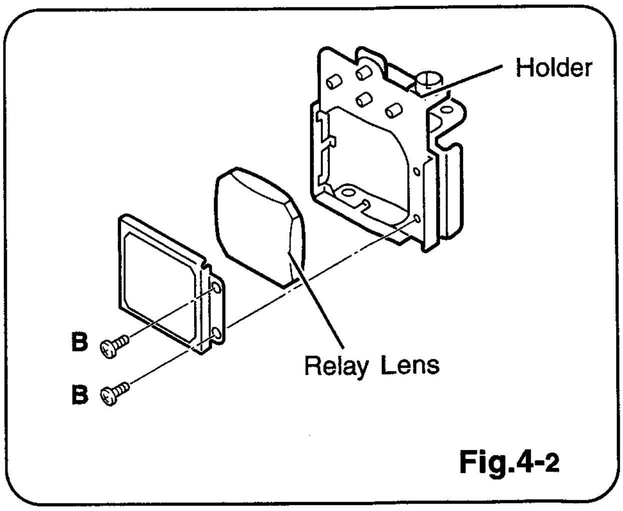

Holder
B
B
Relay Lens

Fig.4-2

5. POLARIZED GLASS-IN ASS'Y DISASSEMBLY

1) Remove the cabinet top, front, main and component boards following to "Mechanical Disassemblies".
2) Remove each screw and take the each polarized glass-in ass'y off upward.
3) Release 2 hooks and remove the polarized glass-in.

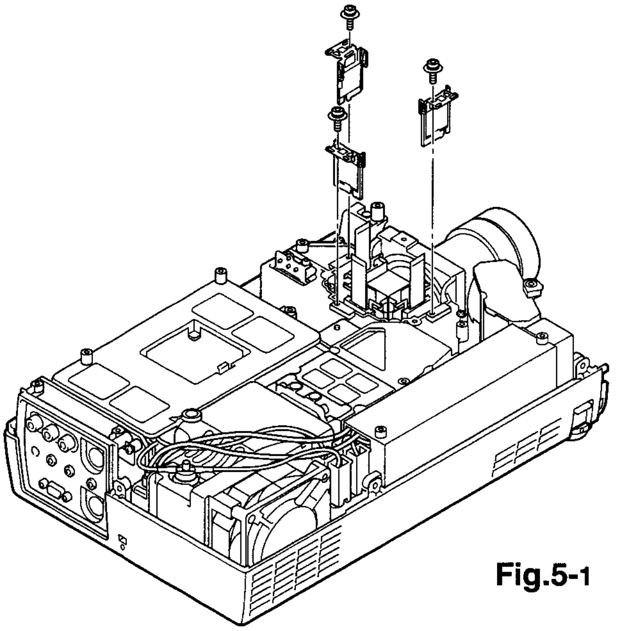
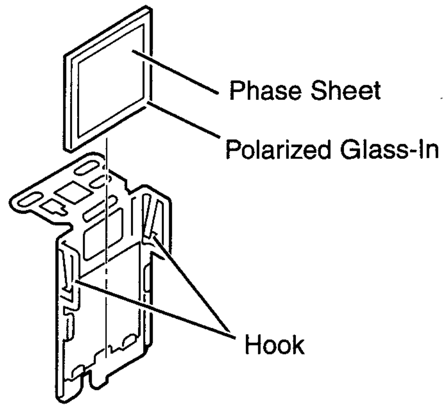


Fig.5-1


Phase Sheet
Polarized Glass-In
Hook

* Mount the polarized glass as the surface attached the phase sheet comes to the prism side.

Fig.5-2

6. POLARIZED GLASS-OUT ASS'Y DISASSEMBLY

1) Remove the cabinet top, front and main boards following to "Mechanical Disassemblies".
2) Remove 4 screws by using the 2.0 mm hex driver and take the LCD Panel/Prism ass'y off upward from the optical unit.
3) Remove each screw and take the each polarized glass-out off upward.

Note:
Do not replace the LCD panel separately otherwise it can not obtain proper picture.

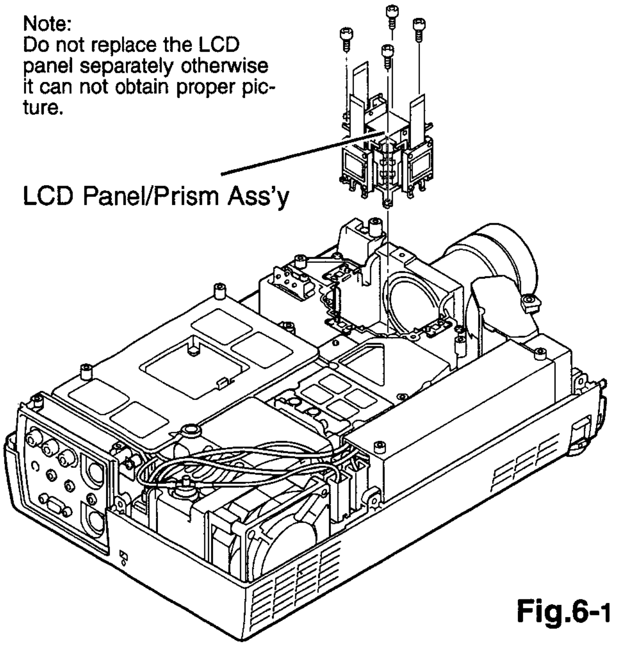
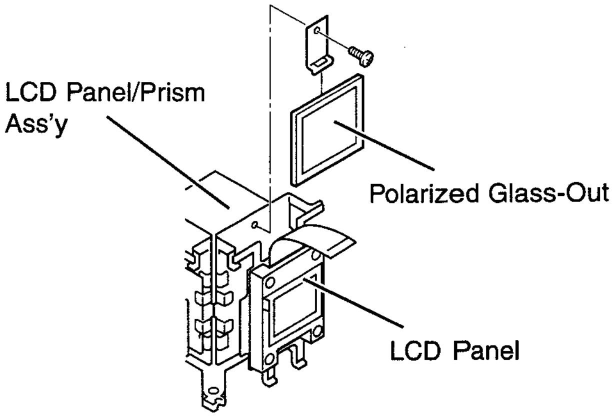

LCD Panel/Prism Ass'y

Fig.6-1


LCD Panel/Prism Ass'y
Polarized Glass-Out
LCD Panel

* Mount the polarized glass as the surface attached the phase sheet comes to the LCD panel side.

Fig.6-2

Locations and Directions

When the optical parts mounting or assembling, the parts must be mounted in the specified location and direction. Please follow to the figure below.

No.	Part name	No.	Part name
1	Prism ass'y	12	Relay lens (OUT)
2	Integrator lens (IN)	13	Relay lens (IN)
3	Integrator lens (OUT)	14	Dichroic mirror (G)
4	Prism Ass'y (PBS)	15	Condenser lens
5	Condenser lens (OUT)	16	Polarized glass (OUT/R)
6	Dichroic mirror (R)	17	Polarized glass (OUT/G)
7	Mirror (R)	18	Polarized glass (OUT/B)
8	Condenser lens (R)	19	Polarized glass (IN/R)
9	Condenser lens (B)	20	Polarized glass (IN/G)
10	Mirror (B)	21	Polarized glass (IN/B)
11	Optical Filter (UV cut)		

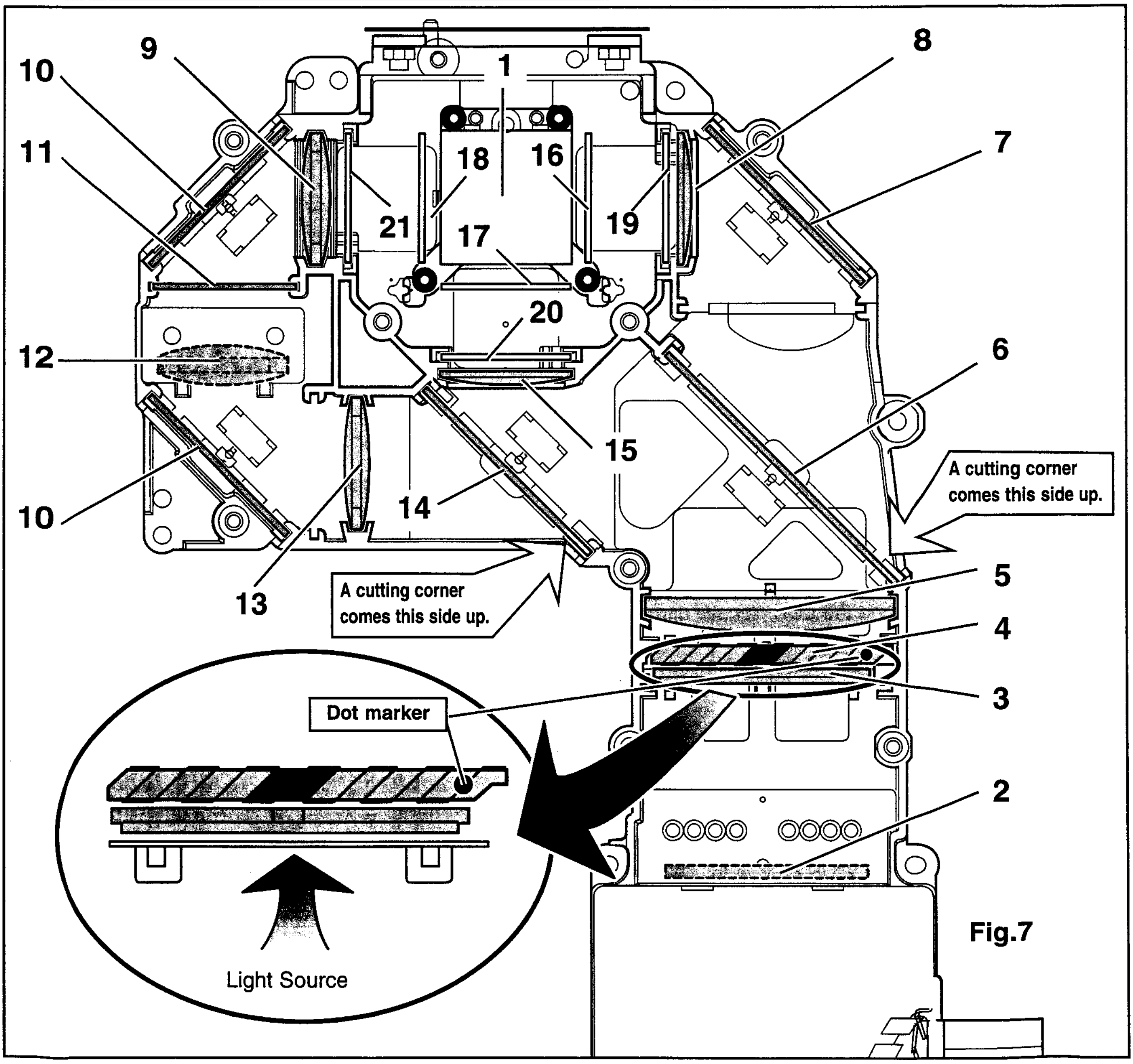

10
9
1
8
11
18
16
7
21
17
19
20
12
6
15
A cutting corner comes this side up.
10
14
13
A cutting corner comes this side up.
5
4
Dot marker
3
2
Light Source

Fig.7

■ LCD Panel/Prism Ass'y Replacement

IMPORTANT NOTICE on LCD Panel/Prism Ass'y Replacement

LCD panels used for this model can not be replaced separately. Do not disassemble the LCD Panel/Prism Ass'y. These LCD panels are installed with precision at the factory. When replacing the LCD panel, should be replaced whole of the LCD panels and prism ass'y at once.

After replacing LCD Panel/Prism ass'y, please check the following adjustments.

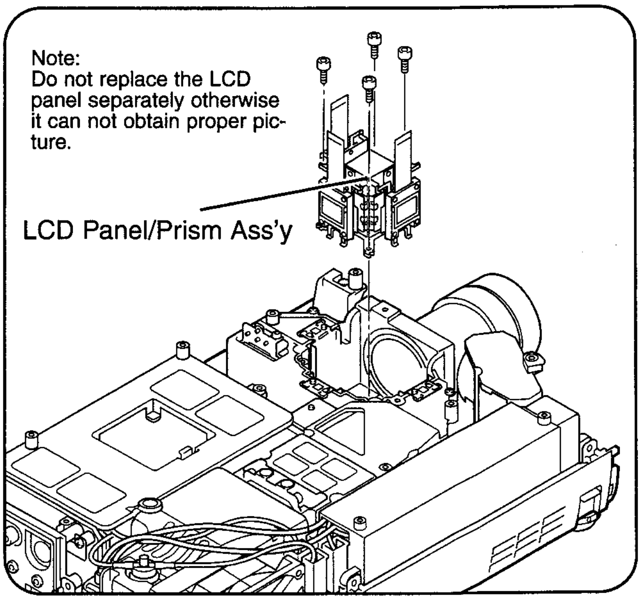
- Check the "Integrator Lens Adjustment" and "Relay Lens Adjustment" following to chapter "Optical Adjustment".
- Check the "White Balance Adjustment" and "Black Balance Adjustment" following to chapter "Electrical Adjustment".
- Check the white uniformity on the screen.

  If you find the color shading, please adjust the white uniformity by using the proper computer and "Color Shading Correction" software supplied separately. The software can be ordered as follows;

COLOR SHADING CORRECTION (Ver. 2.0.2)
Service Parts No. 645 045 7272

● LCD PANEL/PRISM ASS'Y REMOVAL

1. Remove the cabinet top, front and main board following to "Mechanical Disassemblies".
2. Remove 4 screws by using the 2.0 mm hex driver and take the LCD Panel/Prism ass'y off upward from the optical unit.

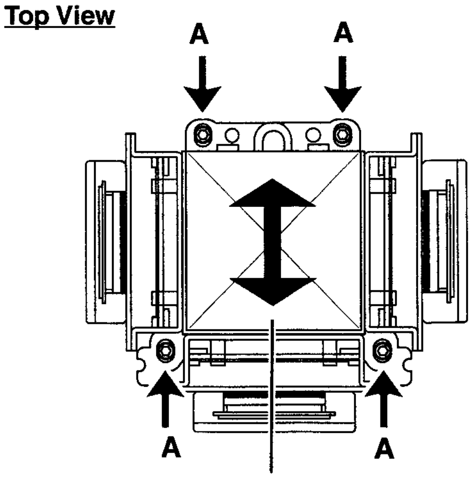

Note:
Do not replace the LCD panel separately otherwise it can not obtain proper picture.

● NOTE ON LCD PANEL/PRISM ASS'Y MOUNTING

After replacing or installing the LCD Panel/Prism ass'y, please make sure to obtain the best focus in both TELE and WIDE zoom. If the focus adjustment is required, please adjust the positioning of LCD Panel/Prism Ass'y by following the below procedure.

Mounting Procedure:

1. Loosen 4 screws **A** on the LCD Panel/Prism ass'y with 2.0 mm hex driver.
2. Turn the projector on and project the image with WIDE zoom, and adjust the FOCUS control to obtain the best focus.
3. Turn the ZOOM control to the TELE position.
4. Move the LCD Panel/Prism Ass'y backward or forward (about 0mm ~ 0.8mm) to obtain the proper focus. Confirm the focus at TELE and WIDE zoom.
5. Tighten 4 screws **A** to fix the LCD Panel/Prism ass'y.



■ Lamp Replacement

WARNING:

- For continued safety, replace with a lamp assembly of the same type.
- Allow the projector to cool for at least 45 minutes before you open the lamp cover. The inside of the projector can become very hot.
- Do not drop the lamp module or touch the glass bulb! The glass can shatter and cause injury.

ORDER REPLACEMENT LAMP

Type No.	Service Parts No.
POA-LMP31	610 289 8422

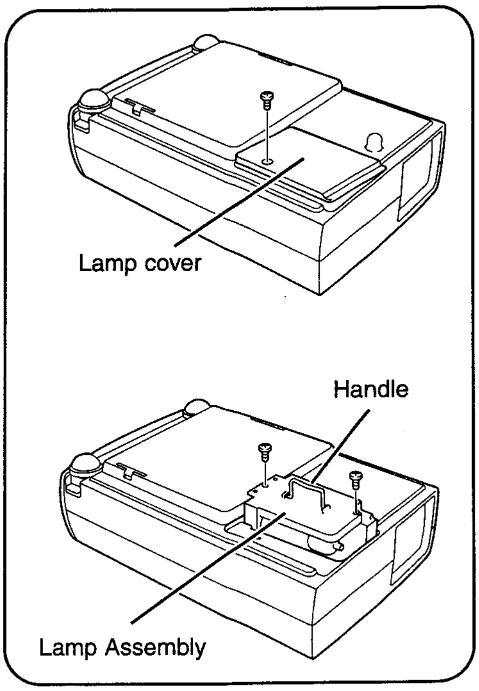
Procedure

1. Turn off the projector and disconnect the AC cord. Allow the projector to cool for at lease 45 minutes.
2. Remove a screw with a screwdriver and remove the lamp cover.
3. Remove 2 screws and pull out the lamp assembly by grasping the handle.
4. Replace the lamp assembly securely and tighten 2 screws.
5. Place the lamp cover and tighten a screw.
6. Connect the AC cord to the projector and turn on.

7. Reset the lamp replacement monitor timer, see below explanation.

Note:

- Do not reset the Lamp Replacement Monitor Timer, except after the lamp is replaced.
- The projector can not be turned-on with the lamp cover removed, because when the lamp cover is removed, the interlock switch is also released to switch off the mains power for safety.



How to reset the Lamp Replacement Monitor Timer

1. Turn the projector on, and press the **MENU** button and the ON-SCREEN MENU will appear. Press the **POINT LEFT/RIGHT** buttons to select SETTING and press the **SELECT** button. Another dialog box SETTING MENU will appear.
2. Press the **POINT DOWN** button and a red arrow icon will appear. Move the arrow to “Lamp age”, and then press the **SELECT** button. The message “Lamp replace monitor Reset?” is displayed.
3. Select [Yes] to reset the Timer.

Please refer to the owners manual for further information.

Recommendation

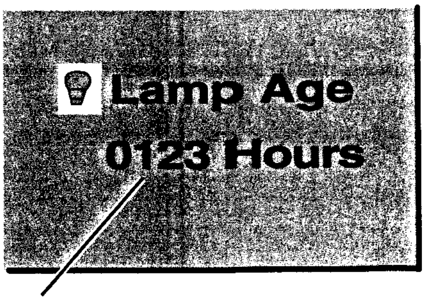
Should the air filter become clogged with dust particles, it will reduce the cooling fan’s effectiveness and may result in internal heat build up and short lamp life. We recommend cleaning the air filter after the projection lamp is replaced.
Refer to “Air Filter Cleaning”.

How to check the Accumulated Illumination Time

The LAMP REPLACEMENT indicator will illuminate when the accumulated illumination time of the lamp reaches 1000 hours. This is to indicate that lamp replacement is required.

You can check the accumulated illumination time of the lamp by following procedure.

1. Press and hold the pointer ▲ on the projector for more than 20 seconds.
2. The accumulated illumination time is displayed on the right bottom corner of the screen. For example, when “Lamp Age 123 hours” is displayed, the accumulated illumination time of the lamp is 123 hours. This will disappear in 5 seconds.



Lamp Age
0123 Hours

Accumulated Illumination Time

■ Optical Adjustments

CONTRAST ADJUSTMENT

[Before Adjustment]

- Adjustment requires a 2.0mm hex wrench and a slot screwdriver.
- Remove cabinet top following to "Mechanical Disassemblies".
- Input a 100% of black raster signal.

Note: Do not disconnect the connectors on main and component boards otherwise the projector can not be turned on.

[R/G/B-CONTRAST ADJUSTMENT]

1. Project desired light component on the screen as follows;
   When adjusting the R-Contrast, project red light only.
   When adjusting the G-Contrast, project green light only.
   When adjusting the B-Contrast, project blue light only.
2. Loosen a screw **A** (**Fig.1-1/1-2**) on the polarized glass mounting base which you intend to adjust.
3. Adjust a slots **B** as shown in **Fig.1-1** to obtain the darkest brightness on the screen by turning a slot screwdriver.
4. Tighten the screw **A** to fix the polarized glass mounting base.

Repeat steps 1 to 4 for remaining polarized glasses.

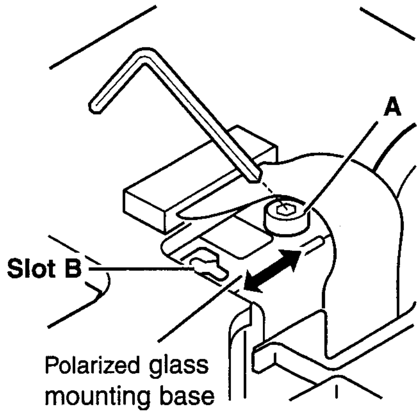

A
Slot B
Polarized glass
mounting base

Fig.1-1

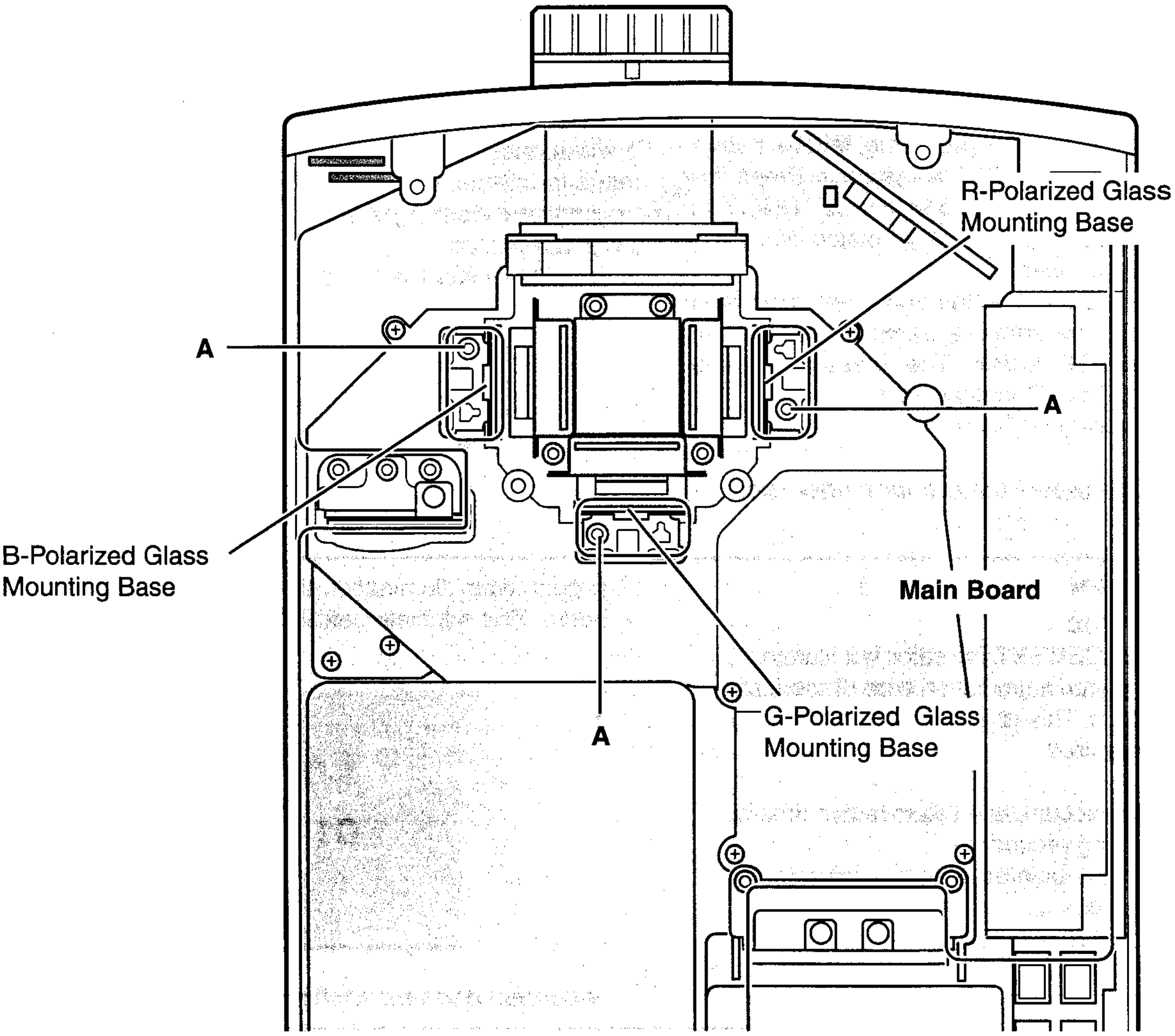

R-Polarized Glass
Mounting Base
A
A
B-Polarized Glass
Mounting Base
Main Board
A
G-Polarized Glass
Mounting Base

Fig.1-2

INTEGRATOR LENS ADJUSTMENT

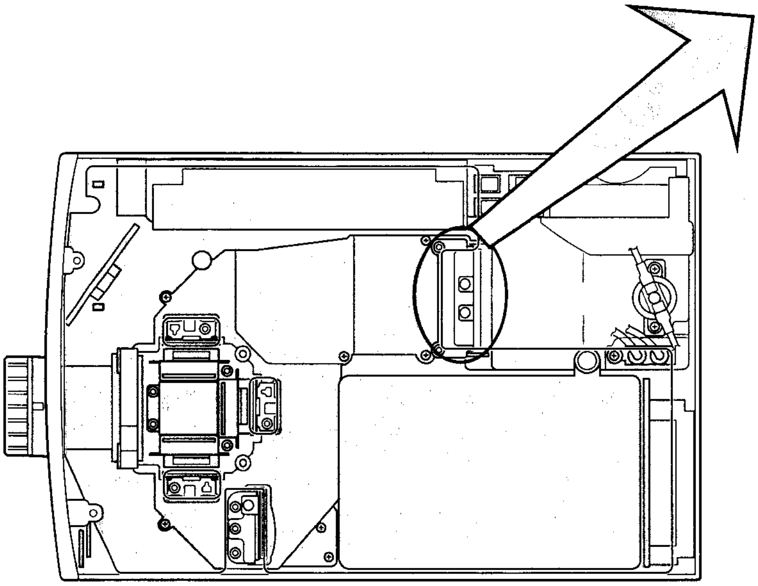
[Before Adjustment]

- Adjustment requires a 2.0mm hex driver and a slot screwdriver.
- Remove cabinet top following to "Cabinet Disassemblies".

Note: Do not disconnect the connectors on main and component boards otherwise the projector can not be turned on.

[ADJUSTMENT]

1. Turn on lamp by a state of without FPC cable of LCD panels.
2. Project only green light component Shield the red and blue lights by inserting thick papers etc. in front of Red and Blue LCD panels to project only green light and make a fine focus.
3. Remove the shield in front of Red LCD panel to project green and blue light.
4. Adjust the adjustment base of integrator lens ass'y to make color uniformity in yellow.
   1) If the color shade appears on the left or right of the screen as shown in **Fig.2-1**, loosen 1 screw **A** with the 2.0mm hex driver and adjust a slot **B** to make color uniformity in yellow by turning a slot screwdriver.
   2) If the color shade appears on the top or bottom of the screen as shown in **Fig.2-2**, loosen 2 screws **C** with the 2.0mm hex driver and adjust a slots **D** to make color uniformity in yellow by turning a slot screwdriver.
5. Tighten 1 screw **A** and 2 screws **C** to fix the integrator lens unit.
6. Remove the shield in front of Blue LCD panel and project red, green and blue light. Check that there is no color shade on the left or right of the screen. If you recognise the color shade, the "Relay Lens Adjustment" should be carried out to obtain the proper color uniformity.



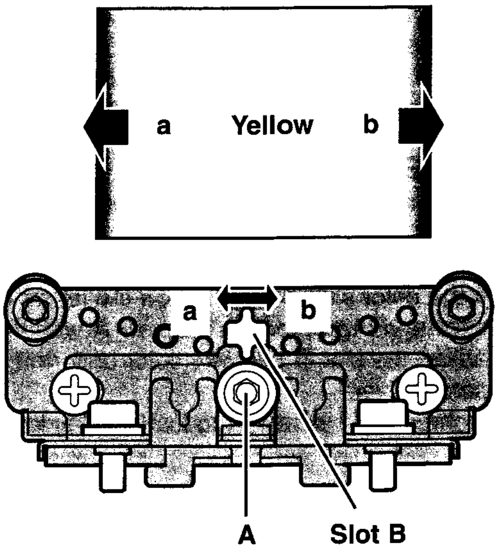


Fig.2-1
Moving of slot B

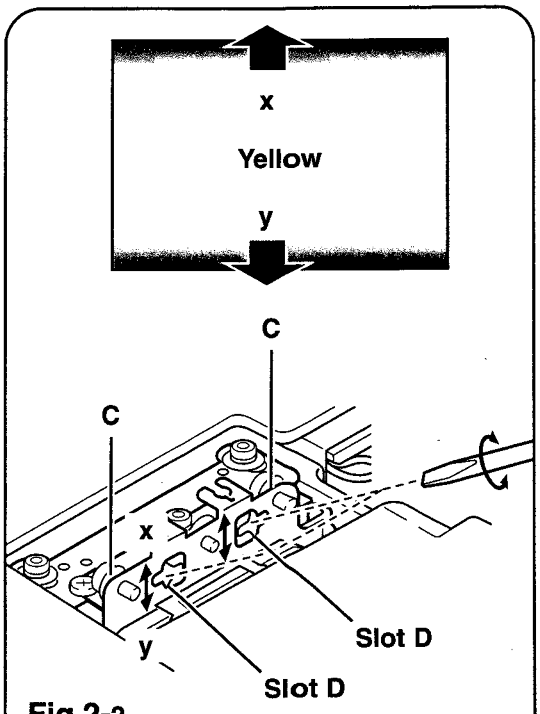


Fig.2-2
Moving of Slots D

RELAY LENS ADJUSTMENT

[Before Adjustment]

- Adjustment requires a 2.0mm hex driver and a slot screwdriver.
- Remove cabinet top following to “Cabinet Disassemblies”.

Note: Do not disconnect the connectors on main and component boards otherwise the projector can not be turned on.

[ADJUSTMENT]

1. Turn on lamp by a state of without FPC cable of LCD panels.
2. Adjust the adjustment base of relay lens ass’y to make color uniformity in white.
   If the color shade appears on the left or right of the screen as shown in **Fig.3**, loosen a screw **A** with the 2.0mm hex driver and adjust the slot **B** to make color uniformity in white by using a slot screwdriver.
3. Tighten the 1 screw **A** to fix the relay lens unit.

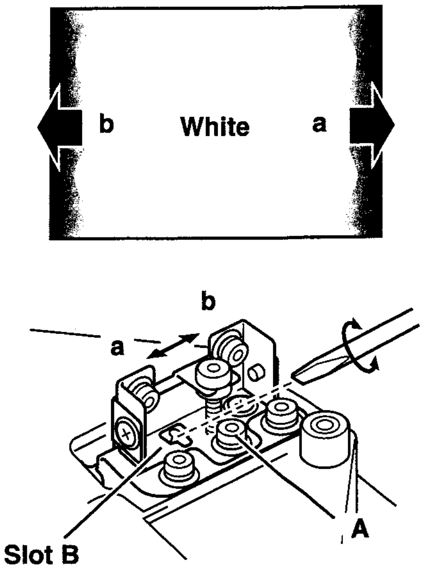
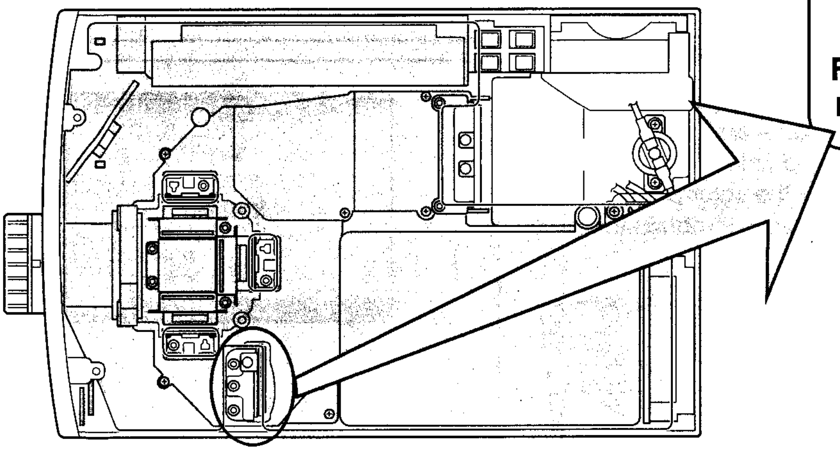


Fig.3
Moving of slot B



■ Electrical Adjustments

● Service Adjustment Menu Operation

To enter the service mode

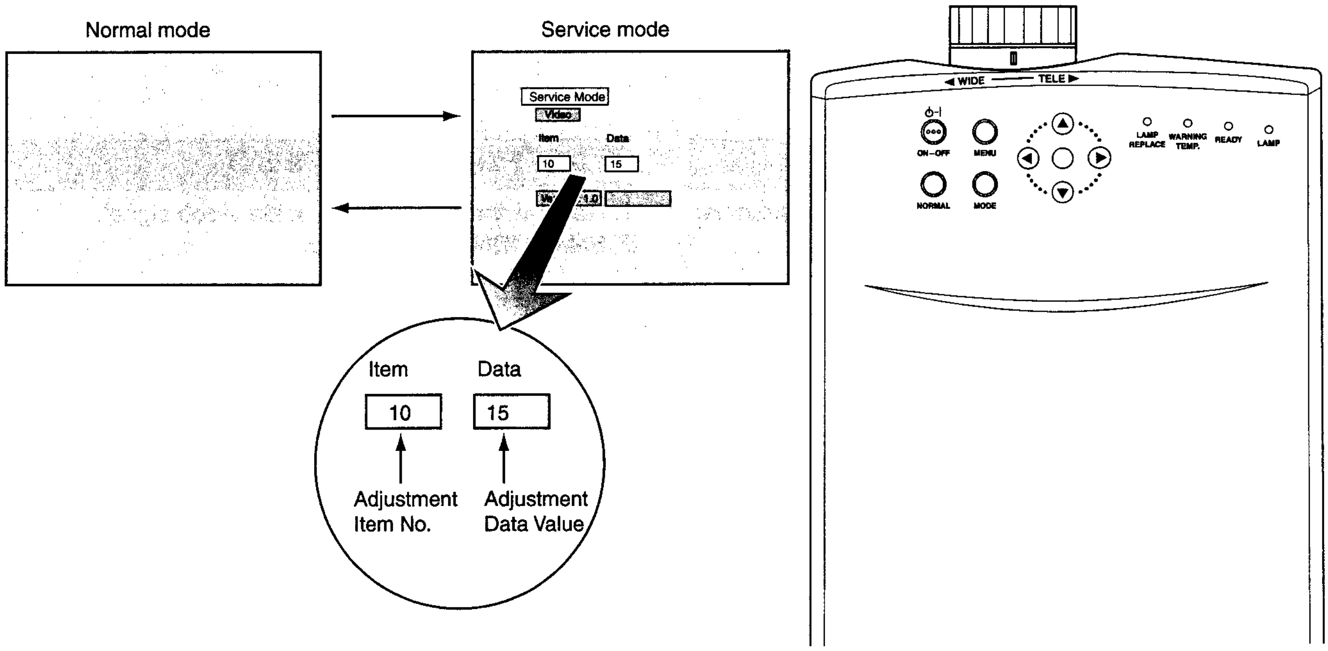
To enter to the "Service Mode", press and hold the **MENU** and **NORMAL** button on the projector at the same time for more than 3 seconds. The service mode display appears on the screen as follows.

To adjust service data

Select the adjustment item no. by pressing the pointer ▲ or ▼ button, and change the data value by pressing the pointer ◀ or ▶ button. Refer to the "Service Adjustment Data Table" for further description of adjustment item no. and data value.

To exit the service mode

To exit the service mode, press the **POWER ON-OFF** button on the projector or remote control unit.



● Memory IC Replacement

IC302 on the main board stores the data for the service adjustments, and should not be replaced except for the case of defective device.
If replaced, it should be performed the re-adjustments following to the "Electrical Adjustments".
The data of lamp replacement monitor timer is stored in the IC302.
Please note that the lamp replacement monitor timer is reset when the memory IC (IC302) is replaced.
(Lamp replacement monitor time can not be set to the previous value.)

● Caution to memory IC replacement

When IC302 is replaced with new one, the CPU writes down the default data of the service adjustments to the replaced IC, refer to the service adjustment table. As these data are not the same data as factory shipped data, it should be required to perform the re-adjustments following to the "Electrical Adjustments".
Please note that the lamp replacement monitor timer is reset.

● Caution of Main Board replacement (in the case IC302 is not defective)

When the main board is replaced, IC302 should be replaced with the one on previous main board. After replacement, it should be required to perform the re-adjustments following to the "Electrical Adjustments".
In this case, the lamp replacement monitor timer can be kept the value as before.

● Circuit Adjustments

CAUTION: The each circuit has been made by the fine adjustment at factory. Do not attempt to adjust the following adjustments except requiring the readjustments in servicing otherwise it may cause loss of performance and product safety.

[Adjustment Condition]

- Input signal
  - Video signal .... 1.0Vp-p/75Ω terminated, 16 steps gray scale (Composite video signal)
  - Component Video signal .... 0.7Vp-p/75Ω terminated, 16 steps gray scale (Component video signal with 480i, 480p, 575p, 720p, 1035i or 1080i format)
  - Computer signal...................... 0.7Vp-p/75Ω terminated, 16 steps gray scale pattern (XGA)
- Picture control mode .... "NORMAL" mode unless otherwise noted.

Note:

* Please refer to "Service Adjustment Menu Operation" for entering to the service mode and adjusting the service data.

OUTPUT VOLTAGE ADJUSTMENT

After replacing the Power Board, P.F.C. Board, readjust the Output voltage adjustment as follows.

1. Connect a digital voltmeter to pins 1 (+) and 3 (-) of K6C.
2. Adjust the voltage by using VR01 as following.

AC Input	Reading
230V	380V ±2V
120V	372V ±2V

Caution:

Be sure to connect the lamp when taking this adjustment.

FAN VOLTAGE ADJUSTMENT

1. Connect a digital voltmeter to test point "TP6602" (+) and chassis ground (-).
2. Enter to the service mode, select item no. "29" and set data value to "1".
3. Adjust the voltage to be 12.1 ±0.1Vdc by using VR6601.
4. Check that the voltages at test points " TP6601" (+), "TP6603" (+) and chassis ground (-) are 13.0 to 13.5Vdc.
5. Select item no. "29" and set data value to "0".

PC-OFFSET ADJUSTMENT

1. Receive the 16-step gray scale video signal.
2. Set to **COMPUTER** mode.

[R-OFFSET ADJUSTMENT]

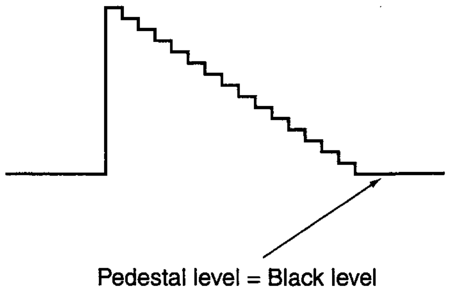
3. Connect an oscilloscope to test point "TP2211R" (+) and chassis ground (-).
4. Enter to the service mode, select item no. "275" and change data value to adjust the pedestal level and black level to be same level.

[G-OFFSET ADJUSTMENT]

5. Connect an oscilloscope to test point "TP2221G" (+) and chassis ground (-).
6. Select item no. "276" and change data value to adjust the pedestal level and black level to be same level.

[B-OFFSET ADJUSTMENT]

7. Connect an oscilloscope to test point "TP2231B" (+) and chassis ground (-).
8. Select item no. "277" and change data value to adjust the pedestal level and black level to be same level.



PC GAIN ADJUSTMENT

1. Receive the 16-step grey scale computer signal.
2. Set to **COMPUTER** mode.

[PC-R GAIN ADJUSTMENT]

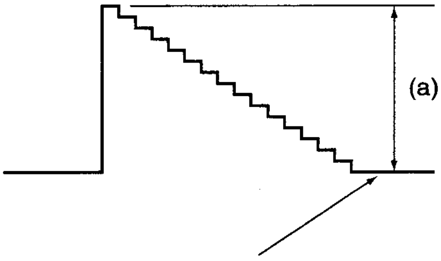
3. Connect an oscilloscope to test point "TP2211R" (+) and chassis ground (-).
4. Enter to the service mode, select item no. "30" and change data value to adjust "a" to be 1.05 ±0.01Vp-p.

[PC-G GAIN ADJUSTMENT]

5. Connect an oscilloscope to test point "TP2221G" (+) and chassis ground (-).
6. Select item no. "273" and change data value to adjust "a" to be 1.05 ±0.01Vp-p.

[PC-B GAIN ADJUSTMENT]

7. Connect an oscilloscope to test point "TP2231B " (+) and chassis ground (-).
8. Select item no. "274" and change data value to adjust "a" to be 1.05 ±0.01Vp-p.



Pedestal level = Black level

COMPONENT GAIN ADJUSTMENT

1. Receive the 16-step grey scale component video signal.
2. Set to **VIDEO** (Component) mode.

[COMPONENT-R GAIN ADJUSTMENT]

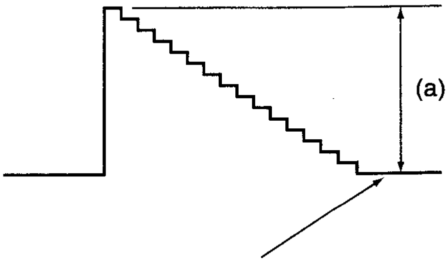
3. Connect an oscilloscope to test point "TP2211R" (+) and chassis ground (-).
4. Enter to the service mode, select item no. "30" and change data value to adjust "a" to be 1.05 ±0.01Vp-p.

[COMPONENT-G GAIN ADJUSTMENT]

5. Connect an oscilloscope to test point "TP2221G" (+) and chassis ground (-).
6. Select item no. "273" and change data value to adjust "a" to be 1.05 ±0.01Vp-p.

[COMPONENT-B GAIN ADJUSTMENT]

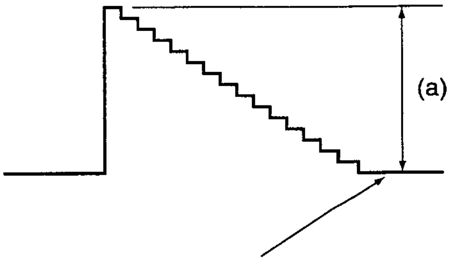
7. Connect an oscilloscope to test point "TP2231B " (+) and chassis ground (-).
8. Select item no. "274" and change data value to adjust "a" to be 1.05 ±0.01Vp-p.



Pedestal level = Black level

AV GAIN ADJUSTMENT

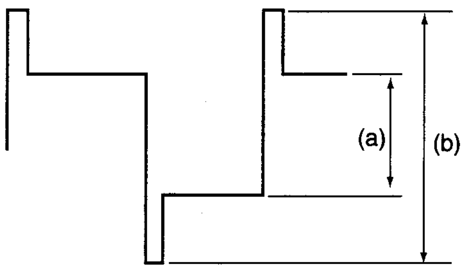
1. Receive the 16-step grey scale video signal.
2. Set to **VIDEO** mode.
3. Connect an oscilloscope to test point "TP2221G" (+) and chassis ground (-).
4. Enter to the service mode, select item no. "30" and change data value to adjust "a" to be 1.05 ±0.01Vp-p.



Pedestal level = Black level

PSIG ADJUSTMENT

1. Receive the 16-step grey scale computer signal.
2. Set to **COMPUTER** mode.
3. Connect an oscilloscope to test point "TP1451" (+) and chassis ground (-).
4. Adjust "a" to be 2.0 ±0.1V by using VR401.
   Adjust "b" to be 1.0 ±0.1V by using VR402.



SIGNAL CENTER ADJUSTMENT

Presetting

1. Receive the 16-step grey scale computer signal.
2. Set to **COMPUTER** mode.

[R-SIGNAL CENTER ADJUSTMENT]

3. Connect a digital voltmeter to test point "TP501R" (+) and chassis ground (-).
4. Adjust voltage to be 7.30 ±0.05V by using VR503.

[G-SIGNAL CENTER ADJUSTMENT]

5. Connect a digital voltmeter to test point "TP503R" (+) and chassis ground (-).
6. Adjust voltage to be 7.30 ±0.05V by using VR522.

[B-SIGNAL CENTER ADJUSTMENT]

7. Connect a digital voltmeter to test point "TP505B" (+) and chassis ground (-).
8. Adjust voltage to be 7.30 ±0.05V by using VR563.

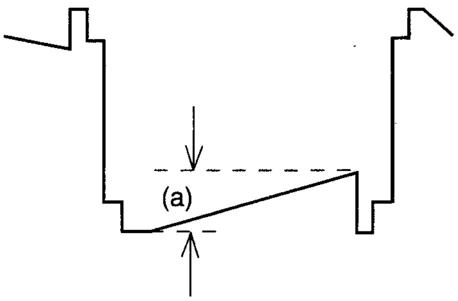
PC/AV GAMMA OFF ADJUSTMENT

PC-GAMMA OFF ADJUSTMENT

1. Receive the 16-step gray scale computer signal.
2. Set to **COMPUTER** mode.
3. Connect an oscilloscope to test point "TP503G" (+) and chassis ground (-).
4. Enter to the service mode, select item no. "0" and change data value to adjust "a" to be 1.40 ±0.01Vp-p.

[AV-GAMMA OFF ADJUSTMENT]

5. Receive the 16-step gray scale video signal.
6. Set to **VIDEO** mode.
7. Connect an oscilloscope to test point "TP503G" (+) and chassis ground (-).
8. Enter to the service mode, select item no. "0" and change data value to adjust "a" to be 1.40 ±0.01Vp-p.



*** This adjustment should be carried out before adjusting PC/AV-VIDEO ADJUSTMENT-1 and 2.**

PC/AV-VIDEO ADJUSTMENT-1

Presetting

1. Input the 16-step gray scale video signal and computer signal.

[PC/AV-VIDEO ADJUSTMENT]

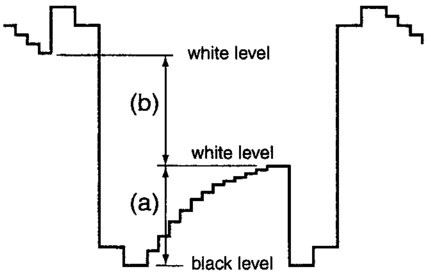
2. Connect an oscilloscope to test point "TP503G" (+) and chassis ground (-).
3. Enter to the service mode, select item no. "15" and change data value to adjust "b" to be 1.50 ±0.01Vp-p at each **VIDEO** and **COMPUTER** mode.
4. Select **COMPUTER** mode, select item no. "12" and change data value to adjust "a" to be 4.00 ±0.01Vp-p.
5. Select **VIDEO** mode, select item no. "12" and change data value to adjust "a" to be 4.00 ±0.01Vp-p.

[R-VIDEO ADJUSTMENT]

6. Connect an oscilloscope to test point "TP501R" (+) and chassis ground (-).
7. Select **COMPUTER** mode, and select item no. "13" and change data value to adjust "a" to be 4.00 ±0.01Vp-p.
8. Select **VIDEO** mode, and select item no. "13" and change data value to adjust "a" to be 4.00 ±0.01Vp-p.

[B-VIDEO ADJUSTMENT]

9. Connect an oscilloscope to test point "TP505B" (+) and chassis ground (-).
10. Select **COMPUTER** mode, and select item no. "14" and change data value to adjust "a" to be 4.00 ±0.01Vp-p.
11. Select **VIDEO** mode, and select item no. "14" and change data value to adjust "a" to be 4.00 ±0.01Vp-p.



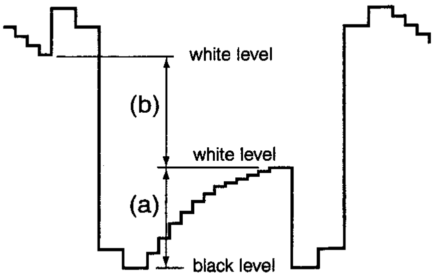
PC/AV-VIDEO ADJUSTMENT-2

[PC-VIDEO ADJUSTMENT-2]

1. Receive the 16-step grey scale computer signal.
2. Set to **COMPUTER** mode.
3. Connect an oscilloscope to test point "TP503G" (+) and chassis ground (-).
4. Enter to the service mode, select item no. "15" and change data value to adjust "b" to be 1.70 ±0.01Vp-p.

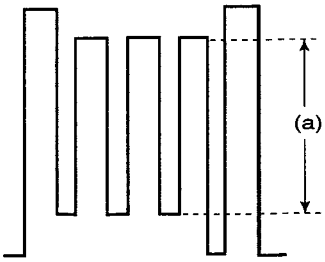
[AV-VIDEO ADJUSTMENT-2]

5. Receive the 16-step grey scale video signal.
6. Set to **VIDEO** mode.
7. Select item no. "15" and change data value to adjust "b" to be 1.85 ±0.01Vp-p.



S/H CLOCK ADJUSTMENT

1. Receive the 16-step gray scale computer signal.
2. Set to **COMPUTER** mode.
3. Connect an oscilloscope to test point "TP503G" (+) and chassis ground (-).
4. Enter to the service mode, select item no. "3" and change data value to adjust "a" to be maximum.



COMMON CENTER ADJUSTMENT

1. Receive the 1 dot line computer signal.
2. Set to **COMPUTER** mode.

[R-COMMON CENTER ADJUSTMENT]

3. Project red light component on the screen.
4. Adjust VR502 to obtain the minimum flicker on the picture.

[G-COMMON CENTER ADJUSTMENT]

5. Project green light component on the screen.
6. Adjust VR532 to obtain the minimum flicker on the picture.

[B-COMMON CENTER ADJUSTMENT]

7. Project blue light component on the screen.
8. Adjust VR562 to obtain the minimum flicker on the picture.

WHITE BALANCE ADJUSTMENT

[PC WHITE BALANCE ADJUSTMENT]

1. Receive the 16-step grey scale computer signal.
2. Set to **COMPUTER** mode.
3. Enter to the service mode, select item no. "16" (Red) or "17" (Blue), and change data values respectively to make a proper white balance.

[AV WHITE BALANCE ADJUSTMENT]

4. Receive the 16-step grey scale video signal.
5. Set to **VIDEO** mode.
6. Select item no. "16" (Red) or "17" (Blue), and change data values respectively to make a proper white balance.

[COMPONENT WHITE BALANCE ADJUSTMENT]

7. Receive the 16-step grey scale component video signal.
8. Set to **VIDEO** (Component) mode.
9. Select item no. "16" (Red) or "17" (Blue), and change data values respectively to make a proper white balance.

Confirm that the same white balance is obtained in video, computer and component input.

BLACK BALANCE ADJUSTMENT

[PC BLACK BALANCE ADJUSTMENT]

1. Receive the 16-step grey scale computer signal.
2. Set to **COMPUTER** mode.
3. Enter to the service mode, select item no. "9" (Red) or "10" (Blue), and change data values respectively to make a proper white balance at darker portion of the screen.

[AV BLACK BALANCE ADJUSTMENT]

4. Receive the 16-step grey scale video signal.
5. Set to **VIDEO** mode.
6. Select item no. "9" (Red) or "10" (Blue), and change data values respectively to make a proper white balance at darker portion of the screen.

[AV BLACK BALANCE ADJUSTMENT]

7. Receive the 16-step grey scale component video signal.
8. Set to **VIDEO** (Component) mode.
9. Select item no. "9" (Red) or "10" (Blue), and change data values respectively to make a proper white balance at darker portion of the screen.

Confirm that the same white balance is obtained at darker portion of the screen in video, computer and component input.

NOTE ON WHITE UNIFORMITY ADJUSTMENT

If you find the color shading, please adjust the white uniformity by using the proper computer and "Color Shading Correction" software supplied separately. The software can be ordered as follows;

COLOR SHADING CORRECTION (Ver. 2.0.2)
Service Parts No. 645 045 7272

● Service Adjustment Data Table

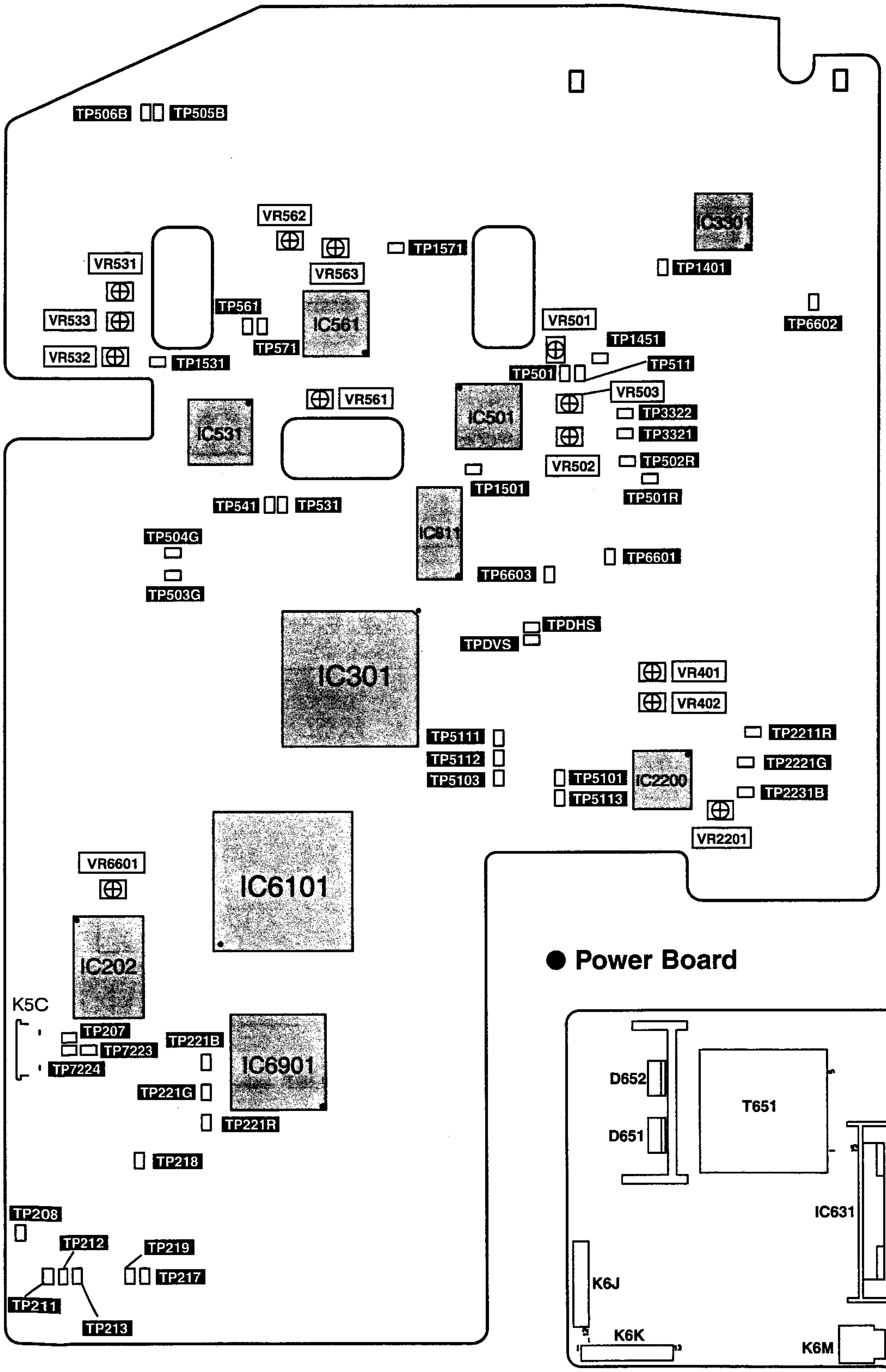
These initial values are the reference data written from the CPU ROM to the memory IC when the new memory IC replaced. The adjustment items indicated with "*" are required to readjust following to the "Electrical adjustments". Other items should be used with the initial data value.

No.	Adjustment Item	Initial Value			Range	Description
		PC	CV or S	Y/Cb/Cr		
0	RGB AMP (Gamma OFF) *	45	45		0 - 63	Same as No.1of RGB AMP(Gamma ON)
1	RGB AMP (Gamma ON)	45	45			To up/down R/G/B of Gamma at same time system stop up/down, when R, G or B value reached Max or Min value.
2	S&H Test pattern display position	2			0 - 12	Test pattern display depend on setting value,test pattern move to right, 1 dot each by increasing data value.
3	GAMMA DLY CNT *	37			0 - 63	Display Green test pattern where Service No2 setting position.
4	GAMMA G BIAS	12			0 - 63	
5	Not used					
6	GAMMA R BIAS	12			0 - 63	
7	Not used					
8	GAMMA B BIAS	12			0 - 63	
9	GAMMA R-B1P *	24	23	23	0 - 63	White balance adjustment of Black portion in AV mode for Red
10	GAMMA B-B1P *	24	23	23	0 - 63	White balance adjustment of Black portion in AV mode for Blue
11	GAMMA G-B1P	24	23	23	0 - 63	White balance adjustment of Black portion in AV mode for Green
12	DAC CLAMP LEVEL(SUB BRIGHT) *	50	50		0 - 63	Sub-Bright(refer to DAC IC Control and User control spec)
13	GAMMA R GAIN *	45	45		0 - 63	
14	GAMMA B GAIN *	45	45		0 - 63	
15	DAC RGB BIAS *	70	70		0 - 125	G-Bias adjust value(refer to DAC IC Control and User control spec)
16	DAC R BIAS *	70	70	70	0 - 125	R-Bias adjust value(refer to DAC IC Control and User control spec)
17	DAC B BIAS *	70	70	70	0 - 125	B-Bias adjust value(refer to DAC IC Control and User control spec)
18	DAC RGB GAIN(SUB CONTRAST)	20	20		0 - 63	Sub-CONT(refer to DAC IC Control and User control spec)
19	S&H B-CK	17			0 - 255	Display Blue test pattern where Service No2 setting position.
20	S&H G-CK	18			0 - 255	Display Green test pattern where Service No2 setting position.
21	S&H R-CK	17			0 - 255	Display Red test pattern where Service No2 setting position.
22	Setting for Shoot out mode	0			0 - 2	0;Normal/ 1;Shoot out1/ 2;Shoot out2
23	Serial baud rate setting	1			0 - 2	0;9600/ 1;19200/ 2;38400
24	Lamp life time display	0				Read Only
25	S&H HCK PHASE adjust	3			0 - 15	Display Green test pattern where Service No2 setting position.
26	GAMMA R_WHP	54	54	54	0 - 63	
27	GAMMA G_WHP	54	54	54	0 - 63	
28	GAMMA B_WHP	54	54	54	0 - 63	
29	Fan Control *	0			0 or 1	Fans control for high land, control FAN_CONT1/FAN_CONT2. 0 : automatic, 1 : Forced High speed
30	D/A gain *	128	128	128	0 - 255	
		NTSC	PAL			
36	VD Analog Cont3(CV)	72			0 - 255	
37	VD Analog Cont4	0			0 - 255	
42	VD Bright	148	130		0 - 255	
43	VD Contrast	68	68		0 - 255	
64	VD Analog Cont3(S-Video)	72			0 - 255	
		PC	Y/Cb/Cr			
272	REDGAIN	96	96		0 - 255	
273	GRNGAIN *	96	96		0 - 255	
274	BLUGAIN *	96	96		0 - 255	
275	REDOFST *	32			0 - 63	
276	GRNOFST *	32			0 - 63	
277	BLUOFST *	32			0 - 63	
278	CLDUR	–	–		0 - 255	
279	CLPLACE	–	–		0 - 255	

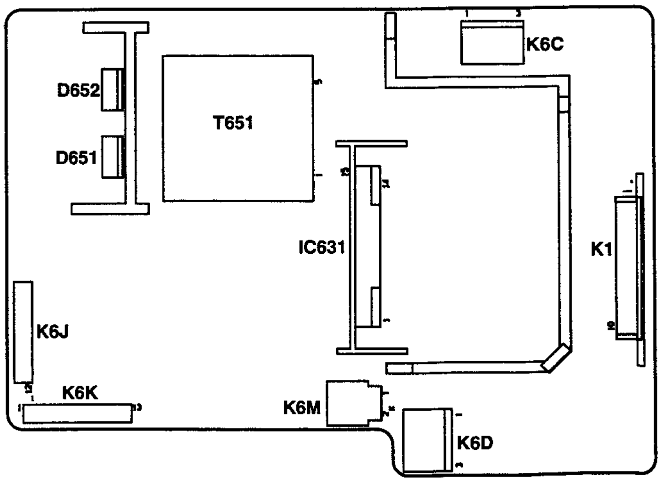
No.	Adjustment Item	Initial Value	Range	Description
	For Fan Control			
283	Ter	3	0 - 31	
284	t	2	2 - 5	Temperature checking period, 0.5/1.0/1.5/2.0/2.5/3.0 sec.
285	TaH	51	0 - 255	
286	TaL	44	0 - 255	
287	TbH	42	0 - 255	
288	TbL	35	0 - 255	
289	Th	12	0 - 255	
290	Not used			
291	Sub Sharpness (YCbCr)	8	0 - 15	Refer to User control spec
292	Sub Tint (Video)	0	0 - 191	Refer to User control spec
293	Sub Color (Video)	26	0 - 63	
294	Sub Sharpness (Video)	0	0 - 4	Select the PW Filter
295	Sub Color (YCbCr)	8	0 - 15	Refer to Use control spec.
296	Not used			
297	Expand Ratio (Vertical) 60Hz	3	--	Video and S-Video mode only.
298	Expand Ratio (Horizontal) 60Hz	11	--	
299	Position (Horizontal) 60Hz	514	--	
300	Position (Vertical) 60Hz	384	--	
301	Expand Ratio (Vertical) 50Hz	6	--	
302	Expand Ratio (Horizontal) 50Hz	12	--	
303	Position (Horizontal) 50Hz	514	--	
304	Position (Vertical) 50Hz	384	--	
305	Expand Ratio (Vertical) 480i	13	--	For Component mode and RGB NTSC
306	Expand Ratio (Horizontal) 480i	17	--	
307	Position (Horizontal) 480i	520	--	
308	Position (Vertical) 480i	393	--	
309	Expand Ratio (Vertical) 575i	21	--	For Component mode and RGB PAL
310	Expand Ratio (Horizontal) 575i	25	--	
311	Position (Horizontal) 575i	519	--	
312	Position (Vertical) 575i	397	--	
313	Expand Ratio (Vertical) 480p	9	--	For Component mode
314	Expand Ratio (Horizontal) 480p	10	--	
315	Position (Horizontal) 480p	521	--	
316	Position (Vertical) 480p	384	--	
317	Expand Ratio (Vertical) 575p	22	--	For Component mode
318	Expand Ratio (Horizontal) 575p	26	--	
319	Position (Horizontal) 575p	518	--	
320	Position (Vertical) 575p	392	--	
321	Expand Ratio (Vertical) 720p	12	--	For Component mode
322	Expand Ratio (Horizontal) 720p	20	--	
323	Position (Horizontal) 720p	516	--	
324	Position (Vertical) 720p	380	--	
325	Expand Ratio (Vertical) 1035i	31	--	For Component mode and RGB HDTV 1035i
326	Expand Ratio (Horizontal) 1035i	13	--	
327	Position (Horizontal) 1035i	512	--	
328	Position (Vertical) 1035i	380	--	
329	Expand Ratio (Vertical) 1080i	-9	--	For Component mode and RGB HDTV 1080i
330	Expand Ratio (Horizontal) 1080i	12	--	
331	Position (Horizontal) 1080i	512	--	
332	Position (Vertical) 1080i	393	--	

Test Points and Locations

● Main Board

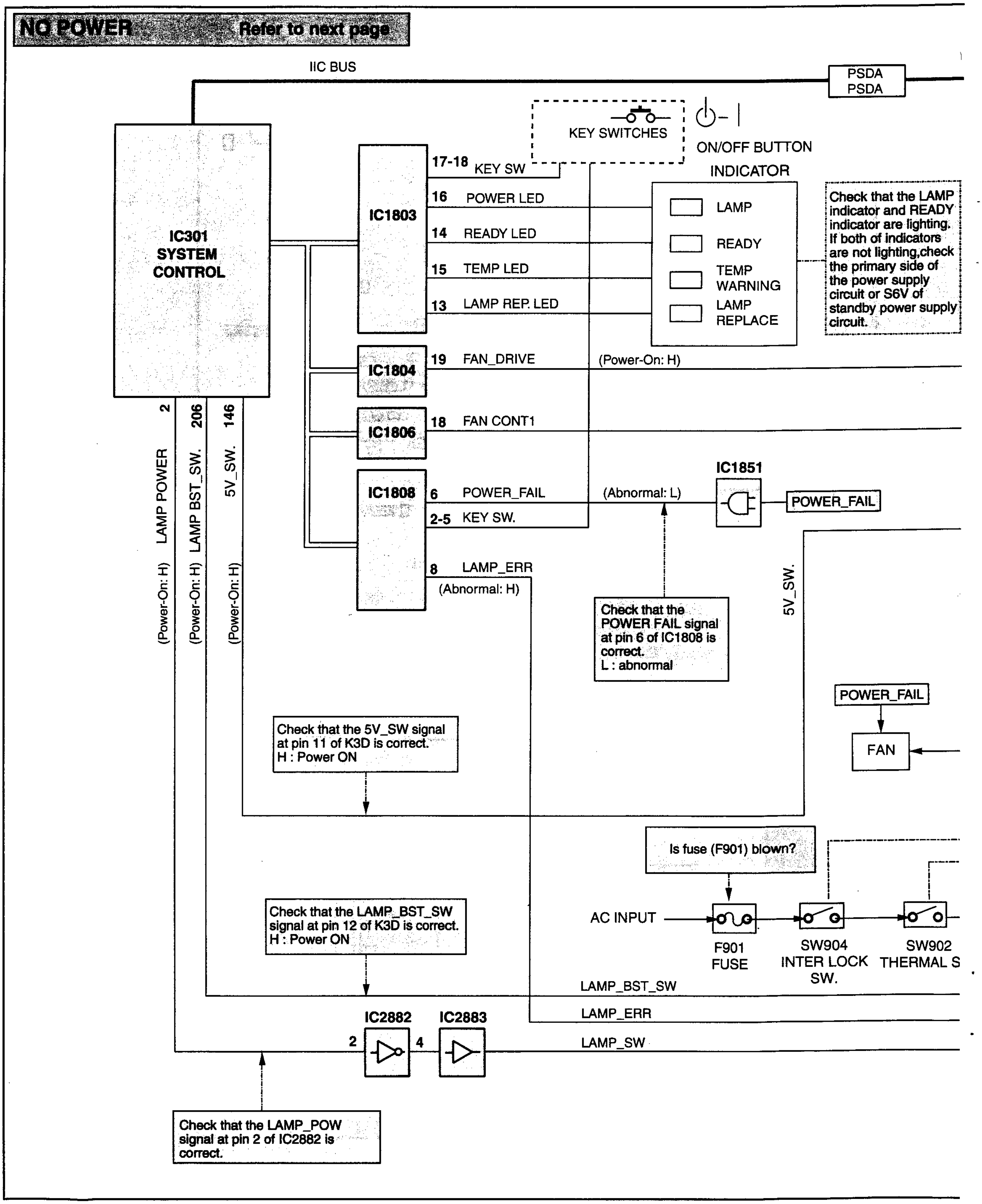

TP506B
TP505B
IC3301
VR562
TP1571
VR531
VR563
TP1401
TP561
VR533
IC561
VR501
TP6602
TP571
TP1451
VR532
TP1531
TP501
TP511
VR561
IC501
VR503
IC531
TP3322
TP3321
VR502
TP502R
TP1501
TP501R
TP541
TP531
IC811
TP504G
TP6601
TP6603
TP503G
TPDHS
TPDVS
IC301
VR401
VR402
TP5111
TP2211R
TP5112
TP2221G
TP5103
TP5101
IC2200
TP5113
TP2231B
VR2201
VR6601
IC6101
IC202
K5C
TP207
TP7223
TP221B
TP7224
IC6901
TP221G
TP221R
TP218
TP208
TP212
TP219
TP217
TP211
TP213

● Power Board


K6C
D652
T651
D651
IC631
K1
K6J
K6K
K6M
K6D

■ Troubleshooting

NO POWER **Refer to next page**


IIC BUS
PSDA
PSDA
KEY SWITCHES
ON/OFF BUTTON
INDICATOR
IC301
SYSTEM
CONTROL
IC1803
17-18 KEY SW
16 POWER LED
14 READY LED
15 TEMP LED
13 LAMP REP. LED
LAMP
READY
TEMP
WARNING
LAMP
REPLACE
IC1804
19 FAN_DRIVE
(Power-On: H)
IC1806
18 FAN CONT1
IC1808
6 POWER_FAIL
(Abnormal: L)
2-5 KEY SW.
8 LAMP_ERR
(Abnormal: H)
IC1851
POWER_FAIL
5V_SW.
POWER_FAIL
FAN
2 LAMP POWER (Power-On: H)
206 LAMP BST_SW. (Power-On: H)
146 5V_SW. (Power-On: H)
AC INPUT
F901
FUSE
SW904
INTER LOCK
SW.
SW902
THERMAL S
LAMP_BST_SW
LAMP_ERR
LAMP_SW
IC2882
IC2883
2
4

Check that the LAMP indicator and READY indicator are lighting. If both of indicators are not lighting,check the primary side of the power supply circuit or S6V of standby power supply circuit.

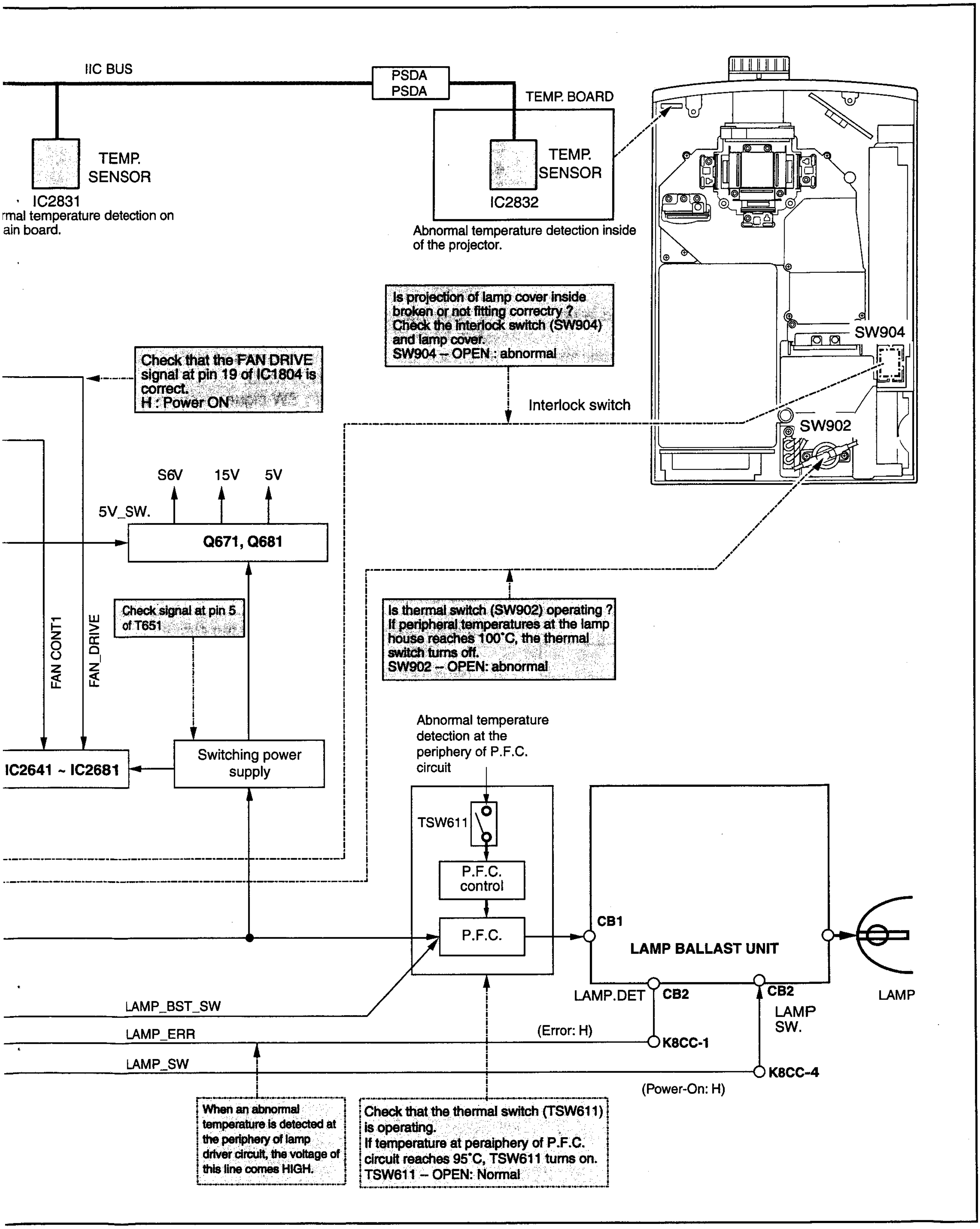
Check that the POWER FAIL signal at pin 6 of IC1808 is correct.
L : abnormal

Check that the 5V_SW signal at pin 11 of K3D is correct.
H : Power ON

Is fuse (F901) blown?

Check that the LAMP_BST_SW signal at pin 12 of K3D is correct.
H : Power ON

Check that the LAMP_POW signal at pin 2 of IC2882 is correct.


IIC BUS
PSDA
PSDA
TEMP. BOARD
TEMP.
SENSOR
IC2831
TEMP.
SENSOR
IC2832
SW904
Interlock switch
SW902
S6V
15V
5V
5V_SW.
Q671, Q681
FAN CONT1
FAN_DRIVE
IC2641 ~ IC2681
Switching power supply
TSW611
P.F.C. control
P.F.C.
CB1
LAMP BALLAST UNIT
LAMP.DET
CB2
CB2
LAMP SW.
LAMP
LAMP_BST_SW
LAMP_ERR
LAMP_SW
(Error: H)
K8CC-1
K8CC-4
(Power-On: H)

rmal temperature detection on
ain board.

Abnormal temperature detection inside of the projector.

Is projection of lamp cover inside broken or not fitting correctry ?
Check the interlock switch (SW904) and lamp cover.
SW904 – OPEN : abnormal

Check that the FAN DRIVE signal at pin 19 of IC1804 is correct.
H : Power ON

Check signal at pin 5 of T651

Is thermal switch (SW902) operating ?
If peripheral temperatures at the lamp house reaches 100˚C, the thermal switch turns off.
SW902 – OPEN: abnormal

Abnormal temperature detection at the periphery of P.F.C. circuit

When an abnormal temperature is detected at the periphery of lamp driver circuit, the voltage of this line comes HIGH.

Check that the thermal switch (TSW611) is operating.
If temperature at peraiphery of P.F.C. circuit reaches 95˚C, TSW611 turns on.
TSW611 – OPEN: Normal

NO POWER

PERIPHERY OF CHASSIS

1. Is fuse (F901) blown?
   Fuse may be opened when either the LAMP indicator or the READY indicator isn't Illuminated. Check the fuse.
   - For continued safety, replace with a fuse of the same type.
     TYPE T4.0AH 250V FUSE. (LITTLE FUSE INC. TYPE 215004)
2. Is projection of lamp cover inside broken or not fitting?
   Check the INTER LOCK switch(SW904) and lamp cover.
   SW904 .... OPEN : abnormal
3. Is thermal switch(SW902) operating?
   If temperatures periphery of lamp house reaches 100°C, the thermal switch will be turned off automatically.
   SW902 .... OPEN : abnormal
4. Is the WARNING TEMP. indicator flashing ? The thermal sensor IC (IC2832) on the Temp. board or IC2831 on the main board may detect the abnormal temperature inside of the projector. If one of these ICs detects the abnormal temperature, this projector will be turned off automatically.

POWER BOARD

1. Are the LAMP indicator(red) and READY indicator(green) light?
   If the LAMP and READY indicators do not illuminated, check the primary circuit and S6V of standby power supply circuit.
2. Check that the LAMP BST-SW signal is correct.
   Pin 12 of K6K .... H : ON
3. Check that the 5V_SW signal is correct.
   Pin 11 of K6K .... H : ON
4. Check that the POWER FAIL signal is correct.
   Pin 13 of K6K..................................... L : abnormal
5. Is thermal switch(TSW611) operating?
   If temperatures periphery of P.F.C. circuit reaches 95°C, the thermal switch will be turned on automatically.
   TSW611 .... SHORT : abnormal
6. Check the signal at pin 5 of T651. (Switching power IC output signal)

MAIN BOARD

1. Check that the 15.5V is observed at pins 1-3 of K3C.
2. Check that the 6V is observed at pins 6-8 of K3C.
3. Check that the -5V is observed at pin 9 of K3C.
4. Check that the 5V is observed at pins 10-11 of K3C.
5. Check that the 6V is observed at pins 2-4 of K3D.
6. Check that the 15.5V is observed at pins 7-8 of K3D.
7. Check that the 5V_SW signal is correct.
   Pin 11 of K3D... H : ON
8. Check that the LAMP BST_SW signal is correct.
   Pin 12 of K3D... H : ON
9. Check that the POWER FAIL signal is correct.
   Pin 13 of K3D .... L : abnormal
10. Check that the 12V is observed at test points TP6101. TP6102 and TP6103.
11. Check that the LAMP_SW signal is correct.
    Pin 4 of K8CC .... H : On
12. Check that the LAMP_ERR signal is correct.
    Pin 1 of K8CC .... L : On
13. Check that the POWER FAIL signal is correct.
    Pin 2 of IC1851 .... L : abnormal
14. Check that the Sensor IC(IC2831) detects abnormal temperature inside the projector.

COMPONENT BOARD

1. Check Power Supply and switching circuit
   Check ICs IC2641 to IC2691
2. Check that the POWER FAIL signal is correct.
   Pin 11-12 of K3A .... L : abnormal
3. Check that the FAN_DRIVE signal is correct.
   Pin 7-8 of K3A .... H : On

NO PICTURE

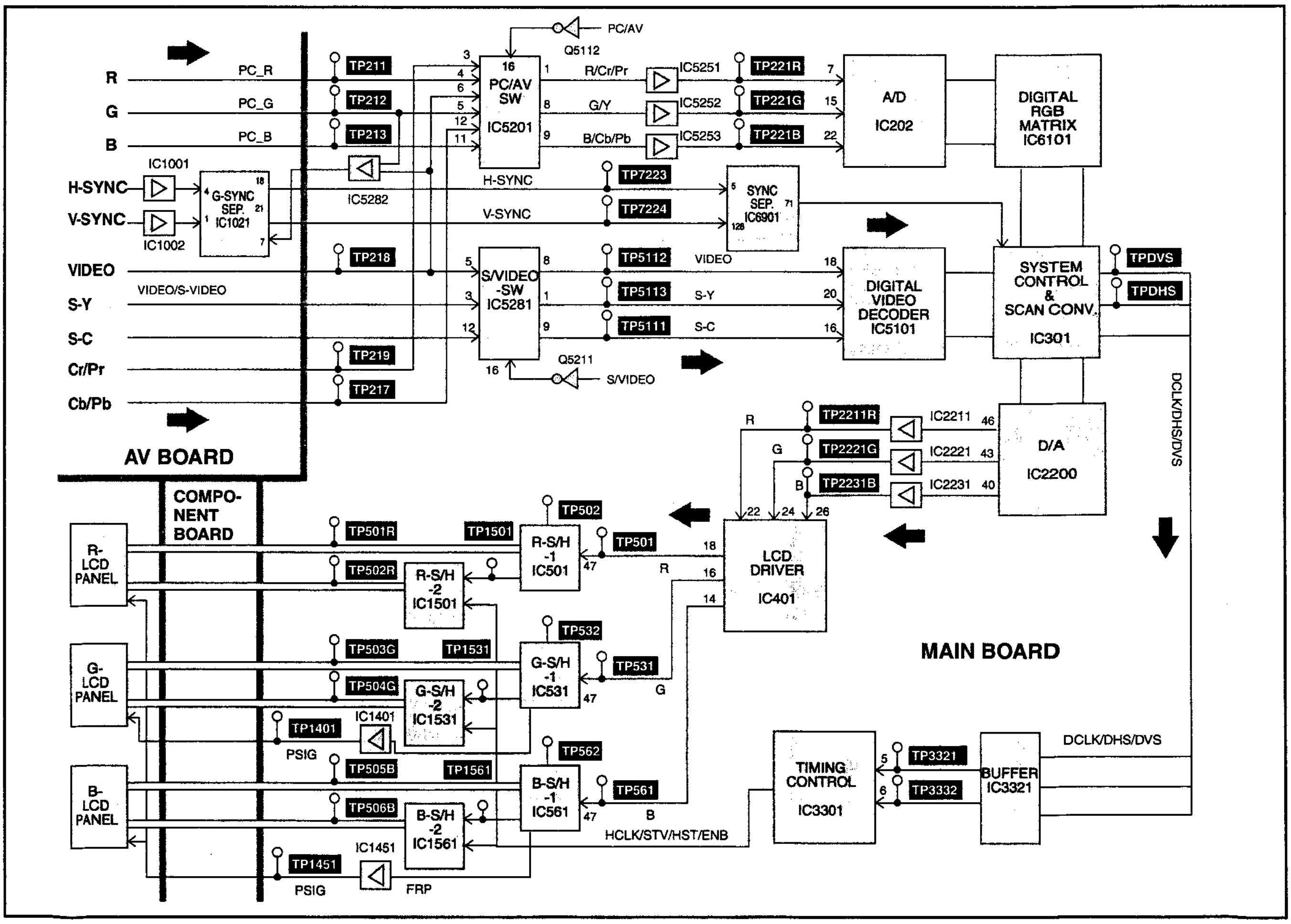
AV BOARD

1. Check that the Vcc-voltages(+5V, -5V) are applied to AV circuits.
   Pins 47-50 of K10A, Pins 47-54 of K10B 5V
   Pins 39-42 of K10B ....-5V
   Check IC1001, IC1002 and IC1021.
2. Check that the following input signals are observed correctly.

SIGNAL	K10A-pin No.	K50A-pin No.
V-Sync	17-18	17-18
H-Sync	15-16	15-16
B	11-12	11-12
G	9-10	9-10
R	7-8	7-8
Video	33-34	33-34
S-C	29-30	29-30
S-Y	25-26	25-26

MAIN BOARD

1. Check the signals at following test points.
   - Video signal at TP208, TP218
   - V-sync signal at TP7224
   - H-sync signal at TP7223
2. Check that the PC/AV switching signal is correct.
   Pin 16 of IC5201 ....AV: H, PC: L
   Pin 5 of IC5282...................................AV: H, PC: L
3. Check that the RGB signals are observed at following test points.
   TP211, TP221R, TP2211R..........................R-signal
   TP212, TP221G, TP2221G ....G-signal
   TP213, TP221B, TP2231B ....B-signal
4. Check that the signals are observed at following test points.
   TPDHS, TP3322...V-Sync,
   TPDVS, TP3321 ....H-Sync
5. Check that the RGB drive signals are observed at following test points.
   TP501 ....R-signal
   TP531 ....G-signal
   TP561 ....B-signal
6. Check that the S/H signals are observed at following test points.
   TP511, TP1501, TP501R, TP502R ....R-signal
   TP531, TP1531, TP503G, TP504G ....G-signal
   TP561, TP1561, TP505B, TP506B..............B-signal
7. Check that the PSIG signals are observed at test points TP1401 and TP1451.


PC/AV
Q5112
R
G
B
PC_R
PC_G
PC_B
TP211
TP212
TP213
16
PC/AV SW
IC5201
R/Cr/Pr
G/Y
B/Cb/Pb
IC5251
IC5252
IC5253
TP221R
TP221G
TP221B
A/D
IC202
DIGITAL RGB MATRIX
IC6101
IC1001
H-SYNC
V-SYNC
IC1002
G-SYNC SEP.
IC1021
IC5282
H-SYNC
V-SYNC
TP7223
TP7224
SYNC SEP.
IC6901
VIDEO
VIDEO/S-VIDEO
S-Y
S-C
Cr/Pr
Cb/Pb
TP218
S/VIDEO -SW
IC5281
TP5112
TP5113
TP5111
VIDEO
S-Y
S-C
DIGITAL VIDEO DECODER
IC5101
SYSTEM CONTROL & SCAN CONV.
IC301
TPDVS
TPDHS
TP219
TP217
Q5211
S/VIDEO
AV BOARD
DCLK/DHS/DVS
R
G
B
TP2211R
TP2221G
TP2231B
IC2211
IC2221
IC2231
D/A
IC2200
COMPO-NENT BOARD
R-LCD PANEL
G-LCD PANEL
B-LCD PANEL
TP501R
TP1501
TP502
R-S/H -1
IC501
TP501
TP502R
R-S/H -2
IC1501
LCD DRIVER
IC401
TP503G
TP1531
TP532
G-S/H -1
IC531
TP531
TP504G
G-S/H -2
IC1531
TP1401
IC1401
PSIG
MAIN BOARD
TP505B
TP1561
TP562
B-S/H -1
IC561
TP561
TP506B
B-S/H -2
IC1561
IC1451
TP1451
PSIG
FRP
HCLK/STV/HST/ENB
TIMING CONTROL
IC3301
TP3321
TP3332
BUFFER
IC3321
DCLK/DHS/DVS

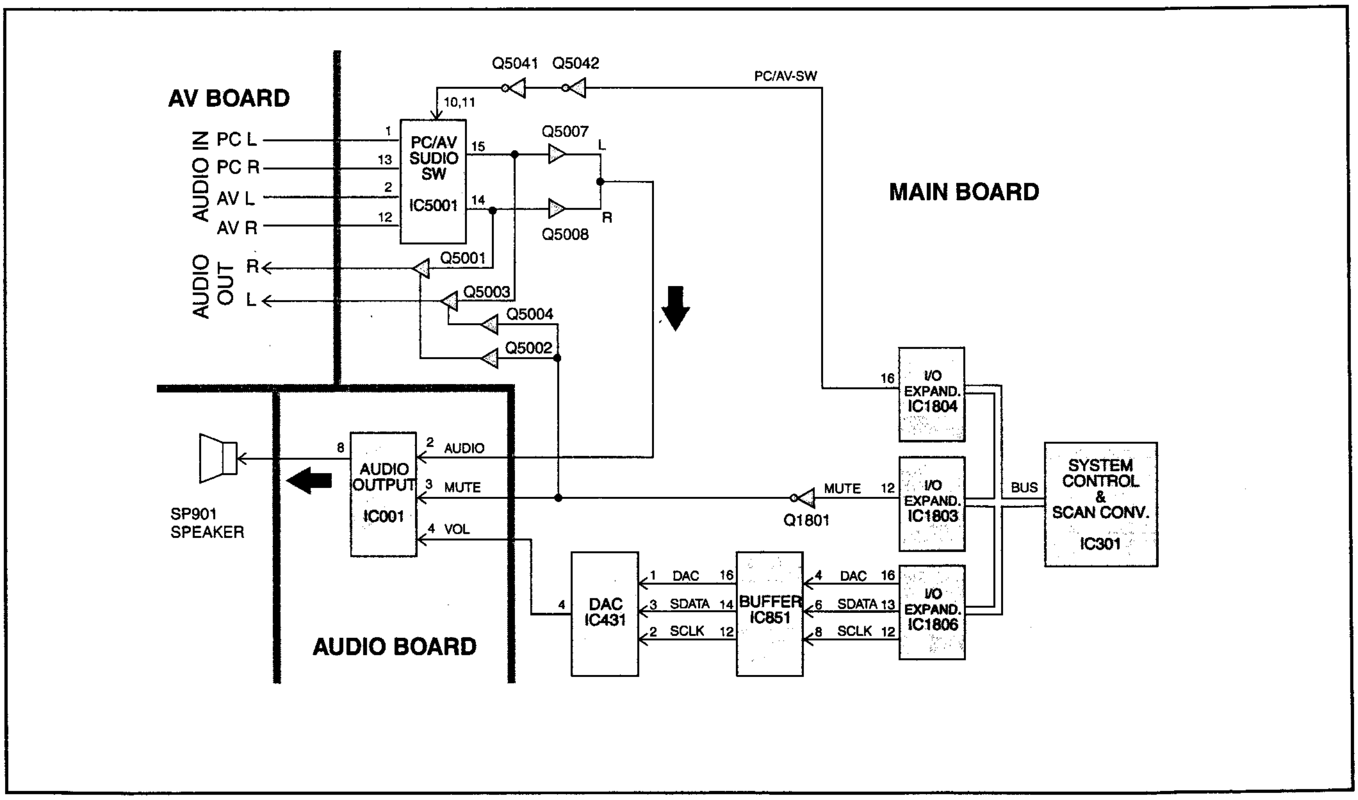
NO SOUND

MAIN BOARD

1. Check that the PC/AV switching signal is correct.
   Pins 10 and 11 of IC5001 .... AV : L
   PC : H
2. Check that audio signal is observed at following points.
   Pins 11-12(PC)/13-14(AV) of K10B/K50B
3. Check that the MUTE signal is correct.
   Pin 5 of K5A ....Mute-On: H
4. Check that the MUTE signal is correct.
   Pin 12 of IC1803 .... Mute-On: L
5. Check that the PC/AV switching signal is correct.
   Pin 16 of IC1804 .... AV : L
   PC : H

AUDIO BOARD

1. Check that sound volume control signal is correct.
   Pin 4 of IC001
2. Check that audio signal is observed at pin 2 of IC001.
3. Check the MUTE signal at pin 3 of IC001.
   Pin 3 of IC001..Mute-On: H
4. Check that Vcc-voltage(+12V) is applied at pins 1 and 9 of IC001.

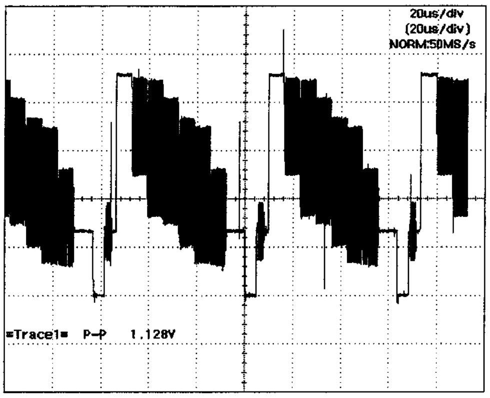
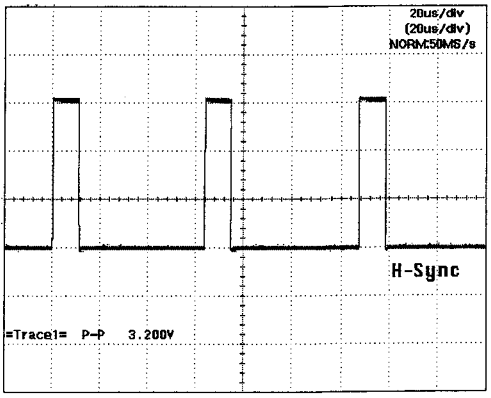
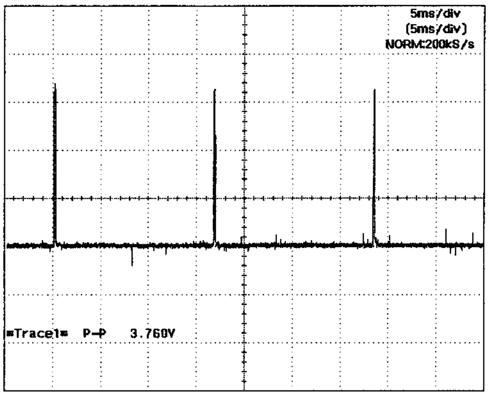
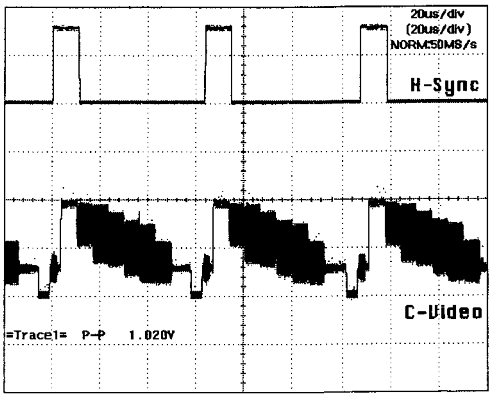
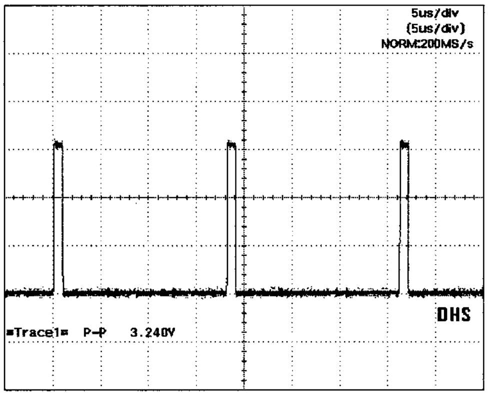
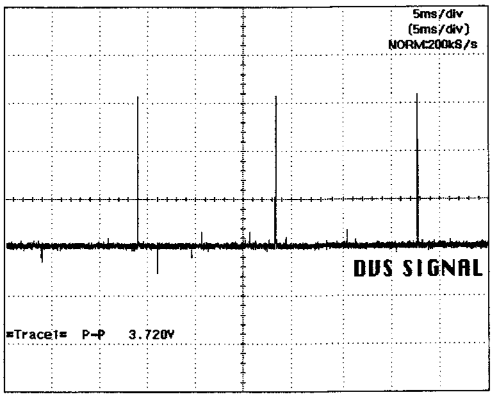
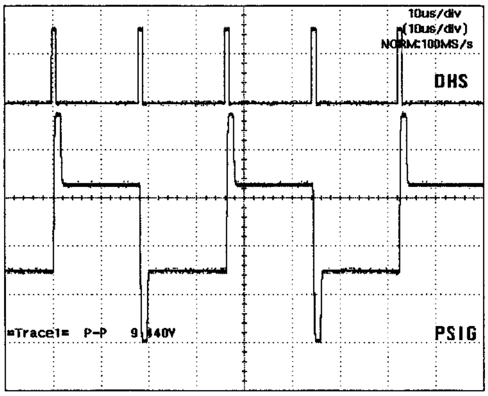
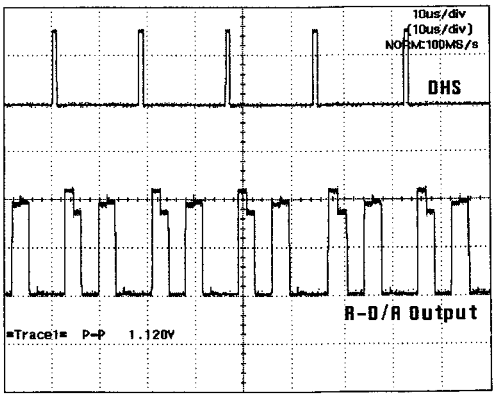

AV BOARD
AUDIO IN
PC L
PC R
AV L
AV R
AUDIO OUT
R
L
Q5041 Q5042
10,11
1
13
2
12
PC/AV SUDIO SW
IC5001
15
14
Q5007
L
R
Q5008
Q5001
Q5003
Q5004
Q5002
PC/AV-SW
MAIN BOARD
16
I/O EXPAND. IC1804
MUTE 12
I/O EXPAND. IC1803
Q1801
BUS
SYSTEM CONTROL & SCAN CONV. IC301
SP901 SPEAKER
8
AUDIO OUTPUT
IC001
2 AUDIO
3 MUTE
4 VOL
AUDIO BOARD
4
DAC IC431
1 DAC 16
3 SDATA 14
2 SCLK 12
BUFFER IC851
4 DAC 16
6 SDATA 13
8 SCLK 12
I/O EXPAND. IC1806

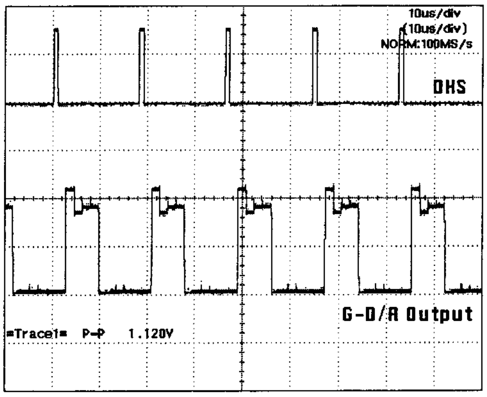
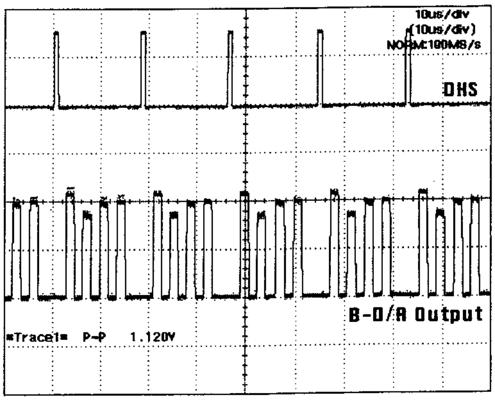
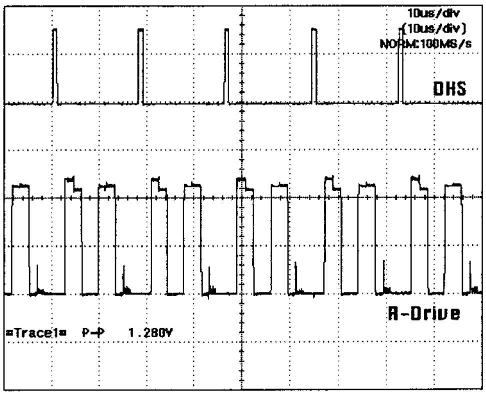
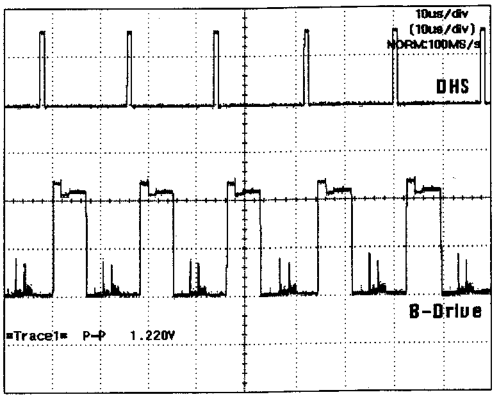
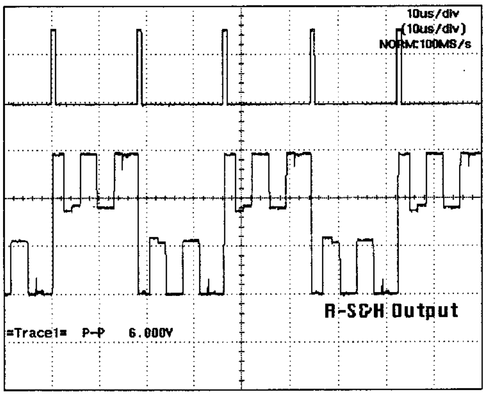
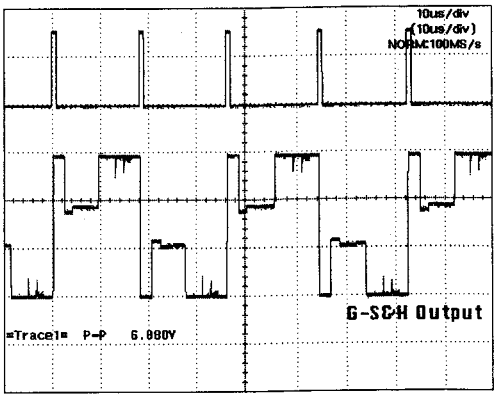
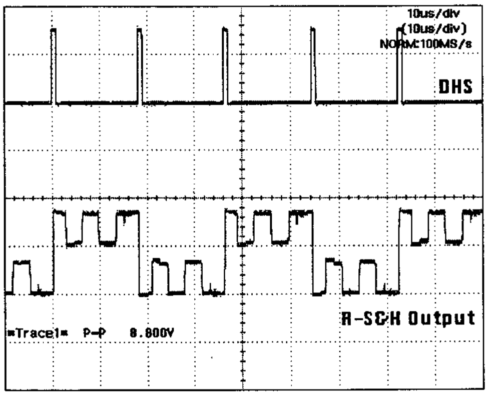
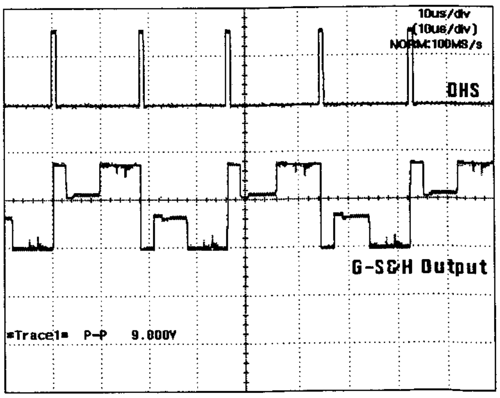
■ Control Port Functions

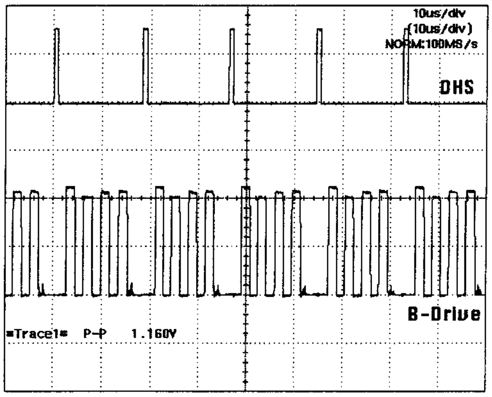
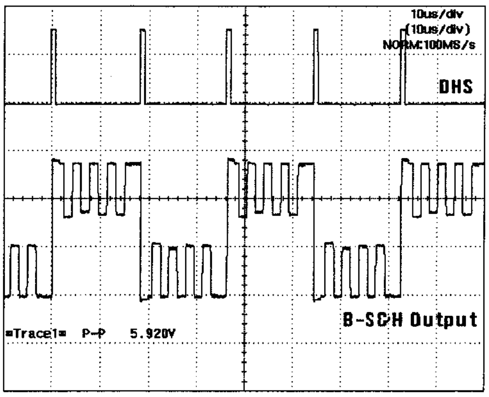
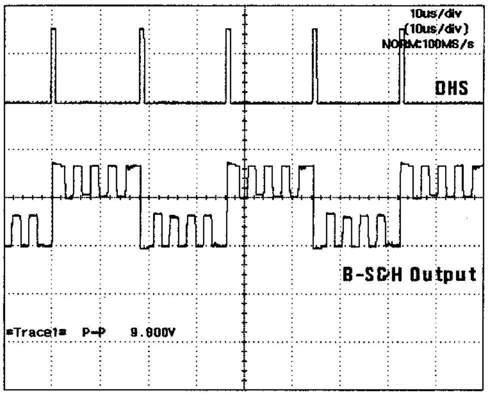
● System Control & I/O Port Functions

IC Ref. No	Pin/Name	I/O	Signal Name	Function	Note
IC301	PortA0	I/O	ROMWEL	For ICE	
	PortA1	I/O	ROMWEH	For ICE	
	PortA2	I/O	BOOTWE	For ICE	
	PortA3	I/O	Not used	Fixed High	
	PortA4	I/O	5V_SW	Power ON/OFF	MainPower-ON: High
	PortA5	I/O	LAMP_BST_SW	Lamp Ballast ON/OFF	Lamp Ballast-ON: High
	PortA6	I/O	IO_Reset	Initialize I/O	I/O Active: Low
	PortA7	I/O	LAMP_POW	Lamp-ON	Lamp-ON: High
	PortB0	I/O	3L_EN	3-Line Serial ON/OFF	Serial Line-ON: Low
	PortB1	I/O	PortB1	MatrixSDA	
	PortB2	I/O	Mouse1	Mouse Control	Air Mouse-ON: High
	PortB3	I/O	Not used	Fixed High	
	PortB4	I/O	SCL_IN	Fixed High	
	PortB5	I/O	Not used	Fixed High	
	PortB6	I/O	M_SCL	IIC CLK	
	PortB7	I/O	M_SDA	IIC DATA	
IC1803	12	O	Mute	Mute On/Off	Mute ON: High
	13	O	LAMP_REP_LED	Lamp Replace LED Drive	ON: High
	14	O	READY_LED	Ready LED Drive	ON: High
	15	O	TEMP_LED	Temp Warning LED Drive	ON: High
	16	O	POW_LED	Power LED Drive	ON: High
	17	O	KO3	Main Key Switch	
	18	O	KO2	Main Key Switch	
	19	O	KO1	Main Key Switch	
IC1804	12	O	CG_Filter	CG Filter ON/OFF	ON: High
	13	O	VHDREN	Philips chip Enable	ON: High
	14	O	VFIELD_SW	VField PC/AV Selection	Video V Field: High
	15	O	Y/G_SW	Sync Sep. Y/G Selection	Y: High G: Low
	16	O	PC/AV _SW	PC/AV Selection	PC: High AV: Low
	17	O	S/CV_SW	Video/Component Selection	Video: Low Component: High
	18	O	PeriPow_SW	Power consumption SW in ST	Normal: High Standby: Low
	19	O	FanDrive_SW	Fan Drive ON/OFF	Fan Drive ON: High OFF: Low
IC1806	12	O	SCLK	3-Line Serial Clock	
	13	O	SDATA	3-Line Serial Data	
	14	O	DAC_STLOBE	DAC	Data Effective: Low
	15	O	S&H_STLOBE	S&H	Data Effective: High
	16	O	IRM_STLOBE	White Uniformity	Data Effective: Low
	17	O	FAN_CONT2	Fan Speed Conterl2	Fan Control ON: High
	18	O	FAN_CONT1	Fan Speed Control1	Fan Control ON: High
	19	O	Not used		
IC1807	12	O	Not used		
	13	O	DVS2	Vsync x 2Hz Output	
	14	O	LAMP_ON	Output Clock ON/OFF	Output Clock ON: High
	15	O	LIM-OFF		
	16	O	PWDN	For AD9884 Power Down	AD Power Down: High
	17	O	NYSE		
	18	O	CTS33		
	19	O	480I_SW		1080i/1035i/720p: Low, others to High
IC1808	2	I	KI1	Main Key Switch	
	3	I	KI2	Main Key Switch	
	4	I	KI3	Main Key Switch	
	5	I	KI4	Main Key Switch	
	6	I	Power_fail	Power Fail Detection	Abnormal: Low Normal: High
	7	I	Not used		
	8	I	Lamp_ERR	Lamp Fail	Abnormal: High Normal: Low
	9	I	Not used		
IC1809	2	I	S_IN	S-Input Detection	S-Input: Low, others to High
	3	I	CB_SW	Component-Input Detection	C-Input: Low, others to High
	4	I	CR_SW	Component-Input Detection	C-Input: Low, others to High
	5	I	CTS/V		
	6	I		OEM Option	
	7	I		OEM Option	
	8	I		OEM Option	
	9	I		OEM Option	

Waveforms

TP218 TP208 AV VIDEO		**TP207 TP7223 AV H-SYNC**	
TP7224 AV V-SYNC		**TP221R TP221G TP221B VIDEO**	
TPDHS DHS		**TPDVS DVS**	
TP1401 TP1451 PSIG for R/B and G		**TP2211R D/A R-OUTPUT**	

TP2221G D/A G-OUTPUT		**TP2231B D/A B-OUTPUT**	
TP501 S&H R-INPUT		**TP531 S&H G-INPUT**	
TP511 TP1501 S&H R-OUTPUT		**TP541 TP1531 S&H G-OUTPUT**	
TP501R TP502R S&H R-OUTPUT		**TP503G TP504G S&H G-OUTPUT**	

TP561 **S&H** **B-INTPUT**			
TP571 **TP1571** **S&H** **B-OUTPUT**			
TP505B **TP506B** **S&H** **B-OUTPUT**			

■ Cleaning

After long periods of use, dust and other particles will accumulate on the LCD panel, prism, mirror, polarized glass, lens, etc., causing the picture to darken or color to blur. If this occurs, clean the inside of optical unit.

Remove dust and other particles using air spray. If dirt cannot be removed by air spray, disassemble and clean the optical unit.

Cleaning with air spray

1. Remove the cabinet top following to "Mechanical Disassemblies".
2. Clean up the LCD panel and polarizing plate by using the air spray from the cabinet top opening.

Caution:
Use a commercial (inert gas) air spray designed for cleaning camera and computer equipment. Use a resin-based nozzle only. Be vary careful not to damage optical parts with the nozzle tip. Never use any kind of cleanser on the unit. Also, never use abrasive materials on the unit as this may cause irreparable damage.

Disassembly Cleaning

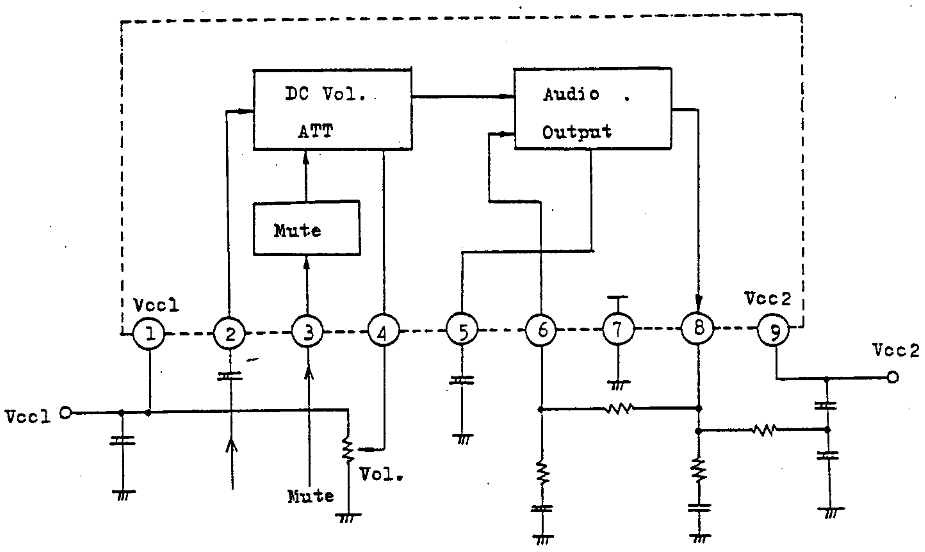
Disassembly cleaning method should only be performed when the unit is considerable dirty and cannot be sufficiently cleaned by air spraying alone.
Be sure to readjust the optical system after performing disassembly cleaning.

1. Remove the cabinet top and main units following to "Mechanical Disassemblies".
2. Remove the optical base top following to "Optical Unit Disassemblies". If the LCD panel needs cleaning, remove the LCD panel unit following to "LCD panel replacement".
3. Clean the optical parts with a soft cloth. Clean extremely dirty areas using a cloth moistened with alcohol.

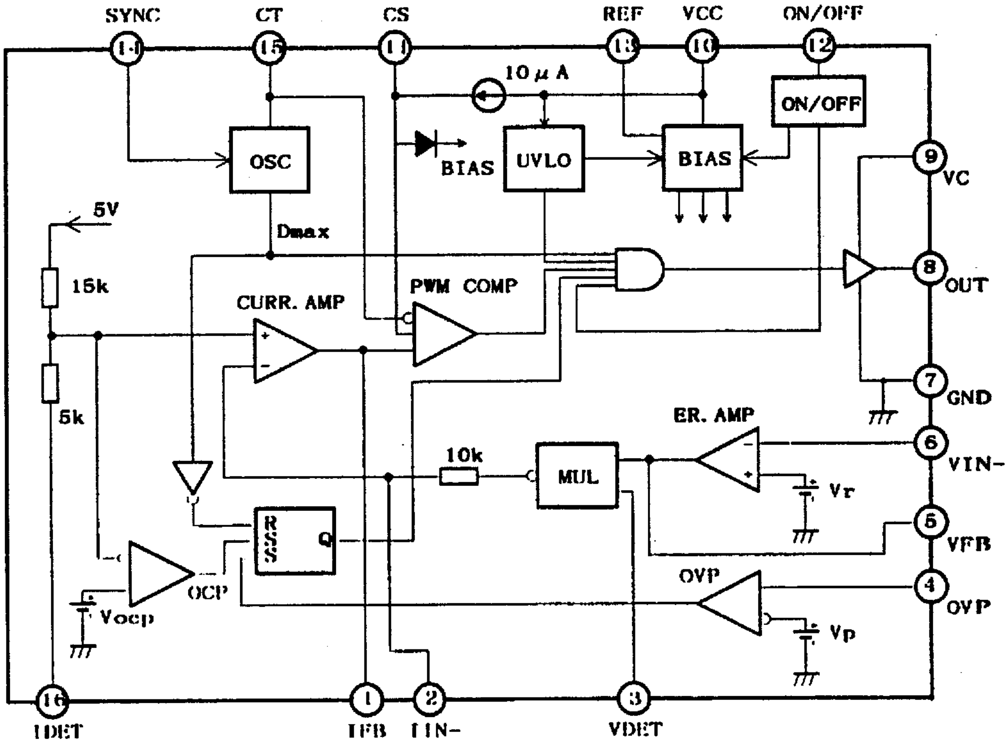
Caution:
The surface of the optical components consists of multiple dielectric layers with varying degrees of refraction. Never use organic solvents (thinner, etc.) or any kind of cleanser on these components.
Since the LCD panel is equipped with an electronic circuit, never use any liquids (water, etc.) to clean the unit. Use of liquid may cause the unit to malfunction.

■ IC Block Diagrams

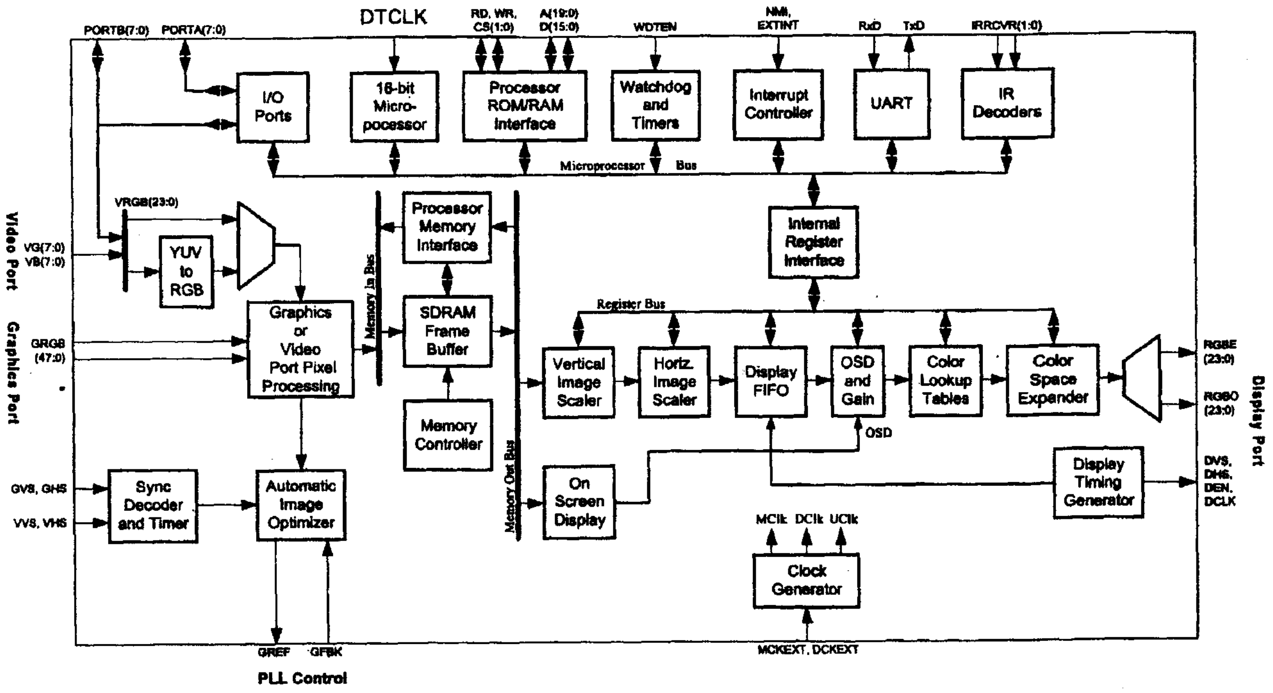
● AN5265 <AUDIO OUTPUT, IC001>


DC Vol.
ATT
Audio
Output
Mute
Vcc1
1
2
3
4
5
6
7
8
9
Vcc2
Vcc2
Vcc1
Vol.
Mute

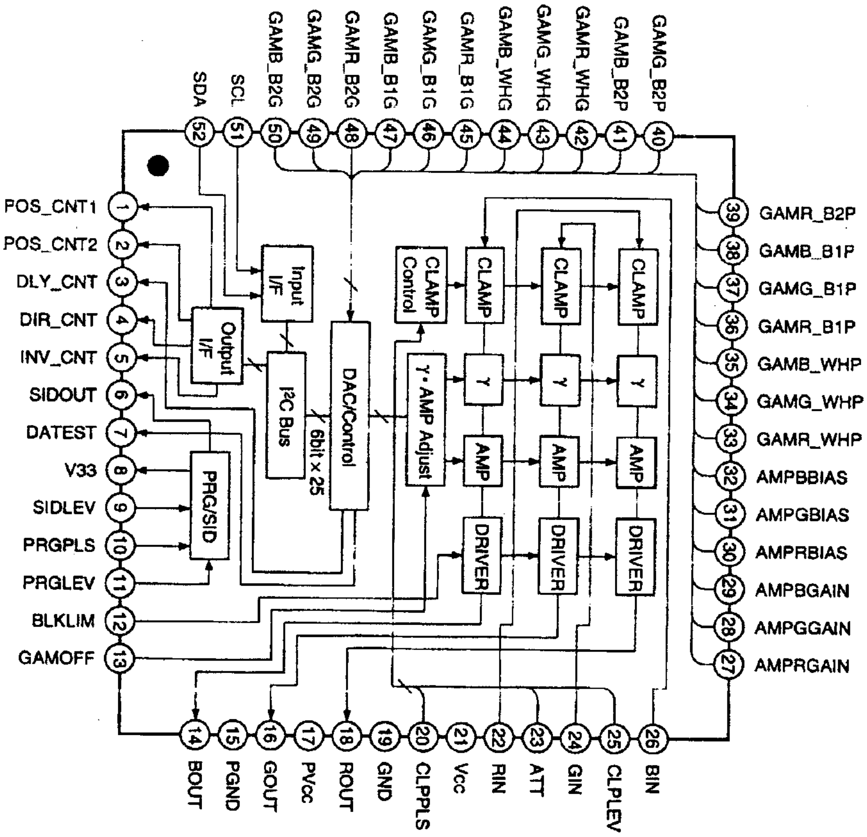
● FA5332M <Power Factor Control, IC01>


SYNC
CT
CS
REF
VCC
ON/OFF
14
15
11
13
10
12
10μA
ON/OFF
OSC
BIAS
UVLO
BIAS
9
VC
5V
Dmax
15k
CURR. AMP
PWM COMP
8
OUT
7
GND
5k
ER. AMP
10k
MUL
6
VIN-
Vr
R
S
S
Q
5
VFB
OVP
4
OVP
OCP
Vocp
Vp
16
IDET
1
IFB
2
IIN-
3
VDET

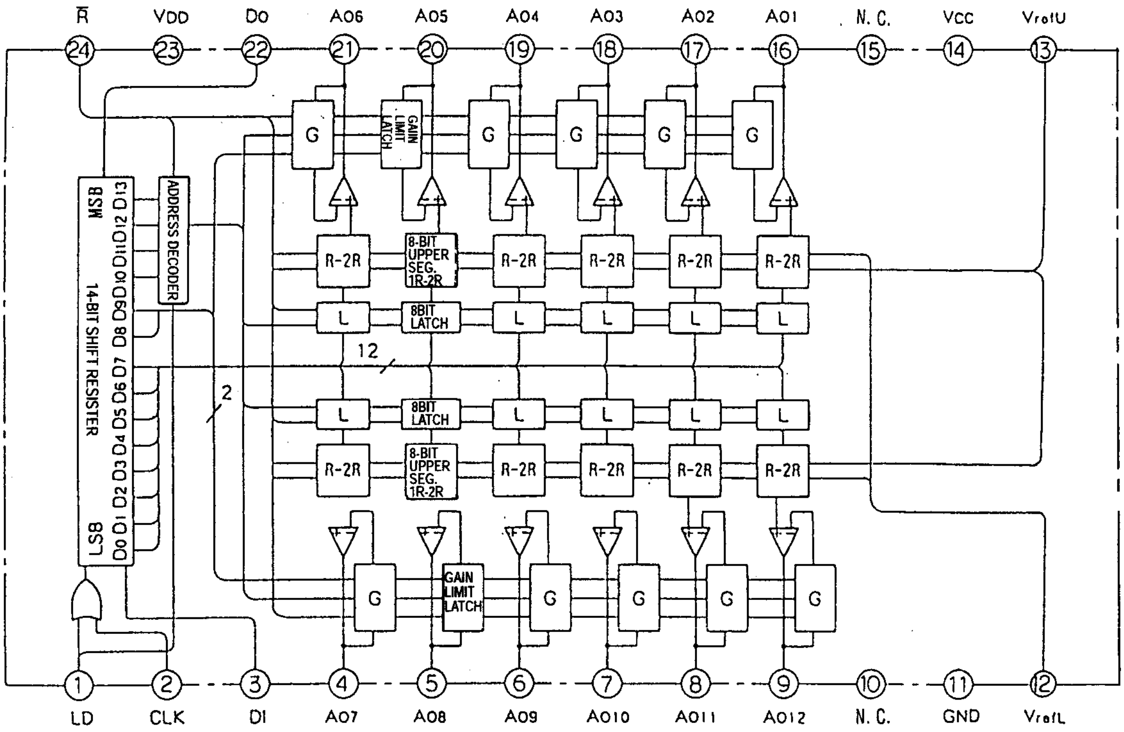
● PW164-10RK <System Control/Scan Converter, IC301>


DTCLK
PORTB(7:0)
PORTA(7:0)
RD, WR, CS(1:0)
A(19:0) D(15:0)
WDTEN
NMI, EXTINT
RxD
TxD
IRRCVR(1:0)
I/O Ports
16-bit Micro-pocessor
Processor ROM/RAM Interface
Watchdog and Timers
Interrupt Controller
UART
IR Decoders
Microprocessor Bus
VRGB(23:0)
Video Port
VG(7:0)
VB(7:0)
YUV to RGB
Graphics Port
GRGB (47:0)
Graphics or Video Port Pixel Processing
Memory In Bus
Processor Memory Interface
SDRAM Frame Buffer
Memory Controller
Memory Out Bus
Internal Register Interface
Register Bus
Vertical Image Scaler
Horiz. Image Scaler
Display FIFO
OSD and Gain
Color Lookup Tables
Color Space Expander
RGBE (23:0)
RGBO (23:0)
Display Port
OSD
Display Timing Generator
DVS, DHS, DEN, DCLK
GVS, GHS
VVS, VHS
Sync Decoder and Timer
Automatic Image Optimizer
On Screen Display
MClk DClk UClk
Clock Generator
GREF
GFBK
MCKEXT, DCKEXT
PLL Control

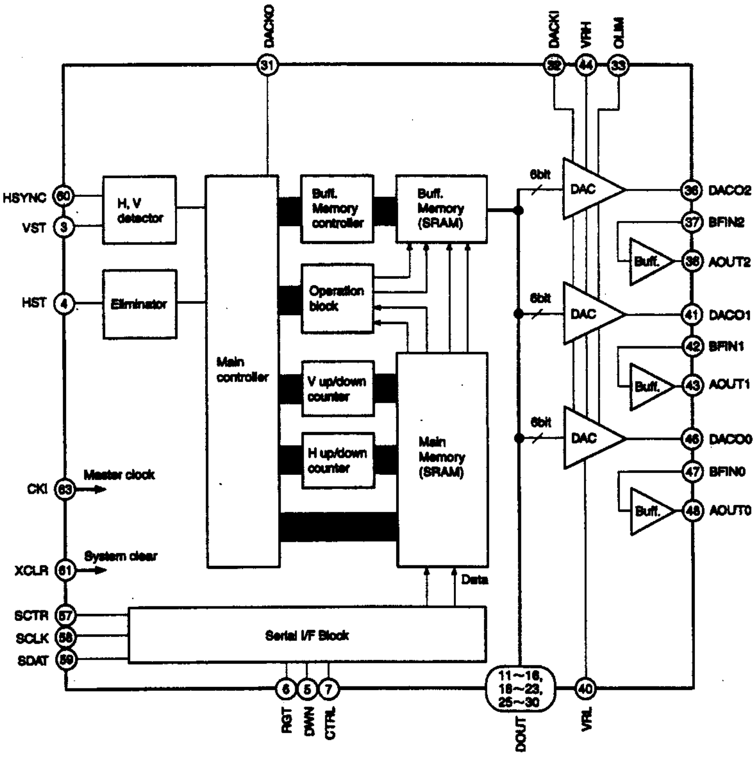
● CXA2111R <LCD Driver, IC401>


SDA
SCL
GAMB_B2G
GAMG_B2G
GAMR_B2G
GAMB_B1G
GAMG_B1G
GAMR_B1G
GAMB_WHG
GAMG_WHG
GAMR_WHG
GAMB_B2P
GAMG_B2P
52
51
50
49
48
47
46
45
44
43
42
41
40
POS_CNT1 1
POS_CNT2 2
DLY_CNT 3
DIR_CNT 4
INV_CNT 5
SIDOUT 6
DATEST 7
V33 8
SIDLEV 9
PRGPLS 10
PRGLEV 11
BLKLIM 12
GAMOFF 13
39 GAMR_B2P
38 GAMB_B1P
37 GAMG_B1P
36 GAMR_B1P
35 GAMB_WHP
34 GAMG_WHP
33 GAMR_WHP
32 AMPBBIAS
31 AMPGBIAS
30 AMPRBIAS
29 AMPBGAIN
28 AMPGGAIN
27 AMPRGAIN
Input I/F
Output I/F
I²C Bus
6bit × 25
DAC/Control
PRG/SID
CLAMP Control
γ · AMP Adjust
CLAMP
γ
AMP
DRIVER
14 BOUT
15 PGND
16 GOUT
17 PVcc
18 ROUT
19 GND
20 CLPPLS
21 Vcc
22 RIN
23 ATT
24 GIN
25 CLPLEV
26 BIN

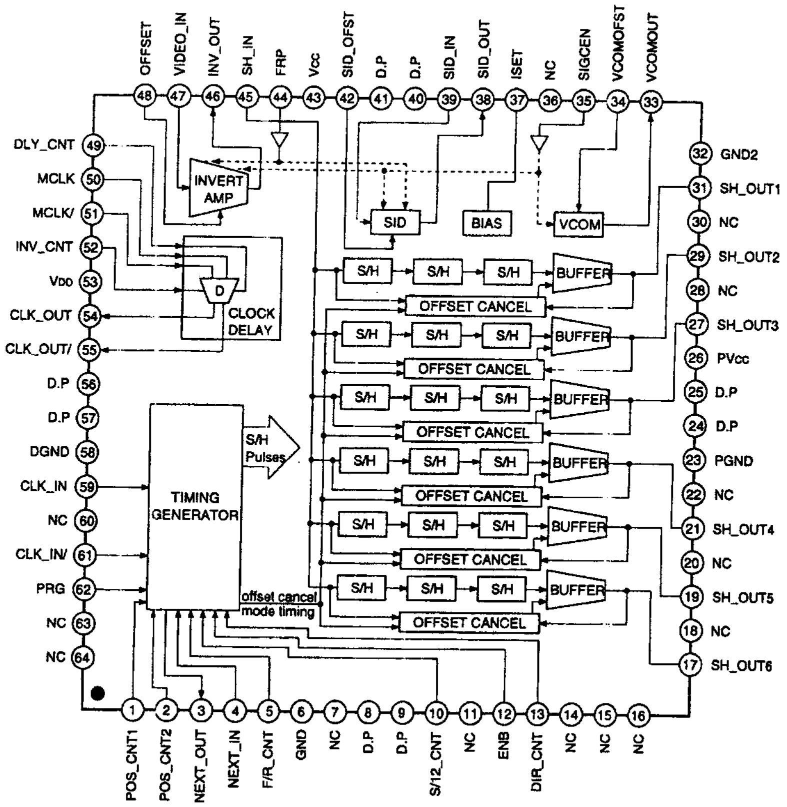
● M62358FP <DAC, IC431>


R
VDD
DO
AO6
AO5
AO4
AO3
AO2
AO1
N. C.
Vcc
VrefU
24
23
22
21
20
19
18
17
16
15
14
13
G
GAIN LIMIT LATCH
R-2R
8-BIT UPPER SEG. 1R-2R
L
8BIT LATCH
12
2
MSB
LSB
D13 D12 D11 D10 D9 D8 D7 D6 D5 D4 D3 D2 D1 D0
14-BIT SHIFT RESISTER
ADDRESS DECODER
1
2
3
4
5
6
7
8
9
10
11
12
LD
CLK
DI
AO7
AO8
AO9
AO10
AO11
AO12
N. C.
GND
VrefL

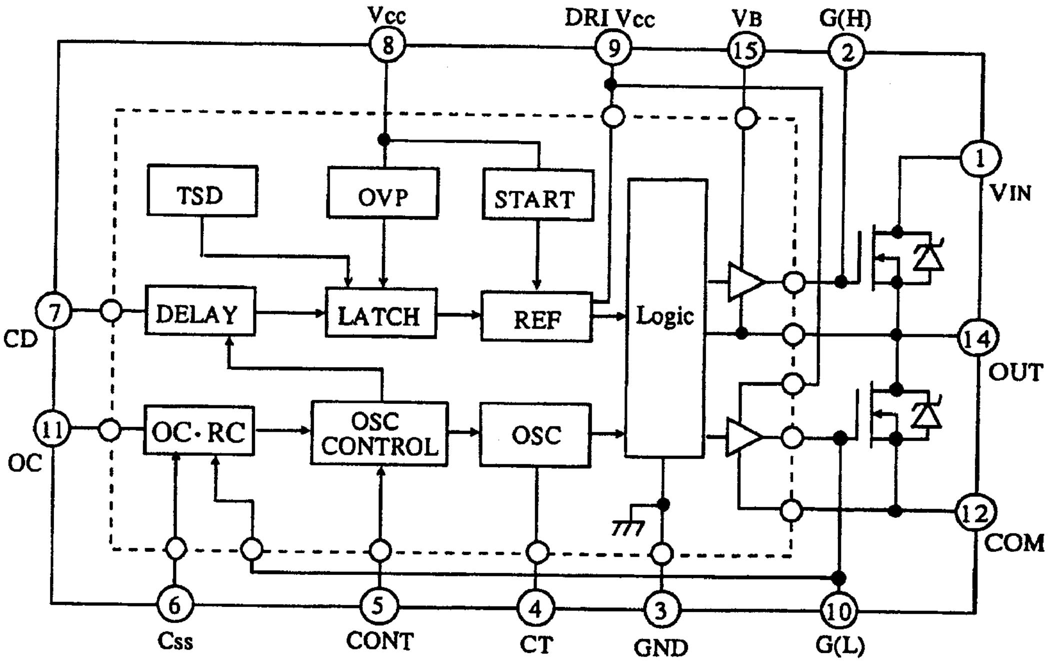
● CXD3503R <White Uniformity Compensation, IC471>


DACKO
31
DACKI
VRH
OLIM
32
44
33
HSYNC
60
VST
3
HST
4
CKI
63
Master clock
XCLR
61
System clear
SCTR
57
SCLK
58
SDAT
59
H, V detector
Eliminator
Main controller
Buff. Memory controller
Buff. Memory (SRAM)
Operation block
V up/down counter
H up/down counter
Main Memory (SRAM)
Data
Serial I/F Block
6bit
DAC
Buff.
36
DACO2
37
BFIN2
38
AOUT2
41
DACO1
42
BFIN1
43
AOUT1
46
DACO0
47
BFIN0
48
AOUT0
6
5
7
RGT
DWN
CTRL
11~16, 18~23, 25~30
DOUT
40
VRL

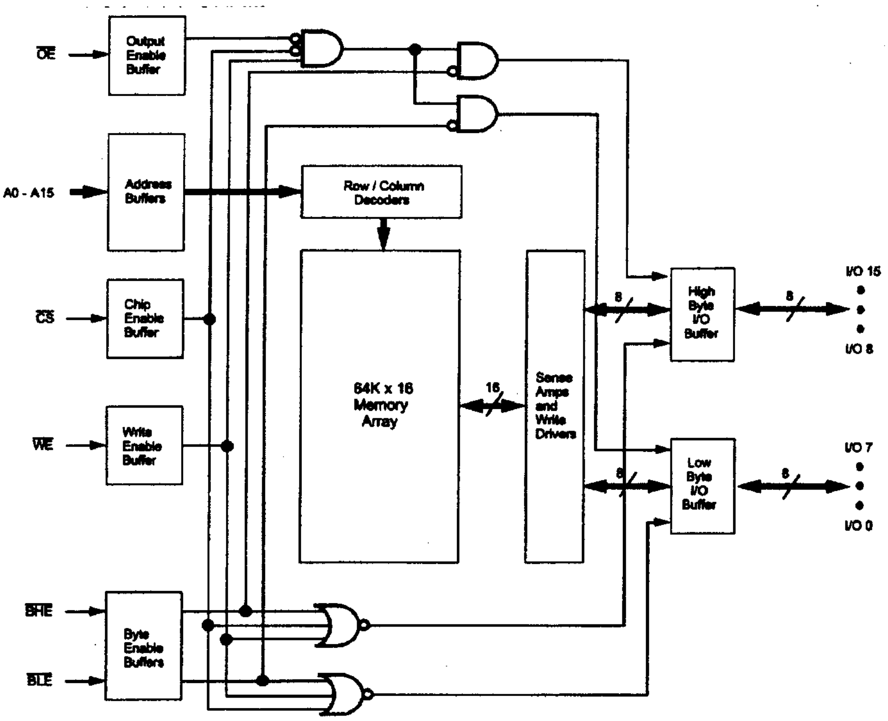
● CXA2112R <Sample & Hold, IC501, IC531, IC561, IC1501, IC1531, IC1561>


OFFSET 48
VIDEO_IN 47
INV_OUT 46
SH_IN 45
FRP 44
Vcc 43
SID_OFST 42
D.P 41
D.P 40
SID_IN 39
SID_OUT 38
ISET 37
NC 36
SIGCEN 35
VCOMOFST 34
VCOMOUT 33
DLY_CNT 49
MCLK 50
MCLK/ 51
INV_CNT 52
VDD 53
CLK_OUT 54
CLK_OUT/ 55
D.P 56
D.P 57
DGND 58
CLK_IN 59
NC 60
CLK_IN/ 61
PRG 62
NC 63
NC 64
GND2 32
SH_OUT1 31
NC 30
SH_OUT2 29
NC 28
SH_OUT3 27
PVcc 26
D.P 25
D.P 24
PGND 23
NC 22
SH_OUT4 21
NC 20
SH_OUT5 19
NC 18
SH_OUT6 17
POS_CNT1 1
POS_CNT2 2
NEXT_OUT 3
NEXT_IN 4
F/R_CNT 5
GND 6
NC 7
D.P 8
D.P 9
S/12_CNT 10
NC 11
ENB 12
DIR_CNT 13
NC 14
NC 15
NC 16
INVERT AMP
D
CLOCK DELAY
SID
BIAS
VCOM
S/H
BUFFER
OFFSET CANCEL
TIMING GENERATOR
S/H Pulses
offset cancel mode timing

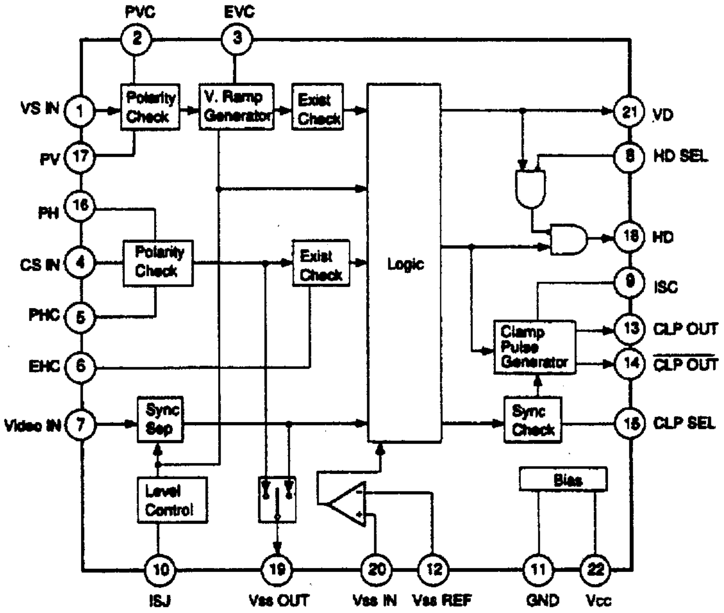
● STR-Z2156 <Power SWitching Control, IC631>


Vcc 8
DRI Vcc 9
VB 15
G(H) 2
1 VIN
14 OUT
12 COM
CD 7
OC 11
Css 6
CONT 5
CT 4
GND 3
G(L) 10
TSD
OVP
START
DELAY
LATCH
REF
Logic
OC·RC
OSC CONTROL
OSC

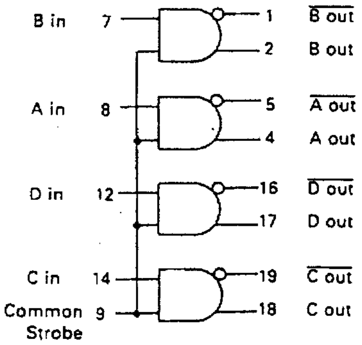
● IDT71V016S <RAM, IC811>


OE
Output Enable Buffer
A0 - A15
Address Buffers
Row / Column Decoders
CS
Chip Enable Buffer
WE
Write Enable Buffer
64K x 16 Memory Array
16
Sense Amps and Write Drivers
8
High Byte I/O Buffer
I/O 15
I/O 8
Low Byte I/O Buffer
I/O 7
I/O 0
BHE
BLE
Byte Enable Buffers

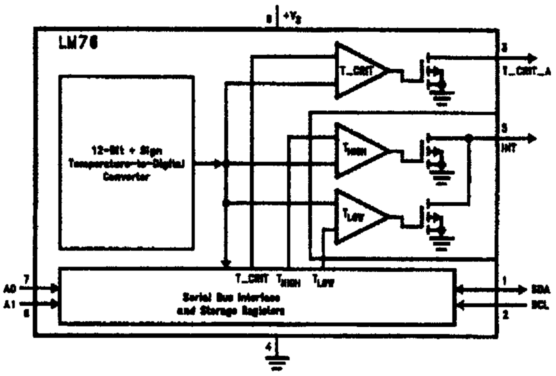
● CXA2016S <Sync Separator, IC1021>


PVC
2
EVC
3
VS IN
1
PV
17
PH
16
CS IN
4
PHC
5
EHC
6
Video IN
7
Polarity Check
V. Ramp Generator
Exist Check
Polarity Check
Exist Check
Logic
Sync Sep
Level Control
Clamp Pulse Generator
Sync Check
Bias
21
VD
8
HD SEL
18
HD
9
ISC
13
CLP OUT
14
CLP OUT
15
CLP SEL
10
ISJ
19
Vss OUT
20
Vss IN
12
Vss REF
11
GND
22
Vcc

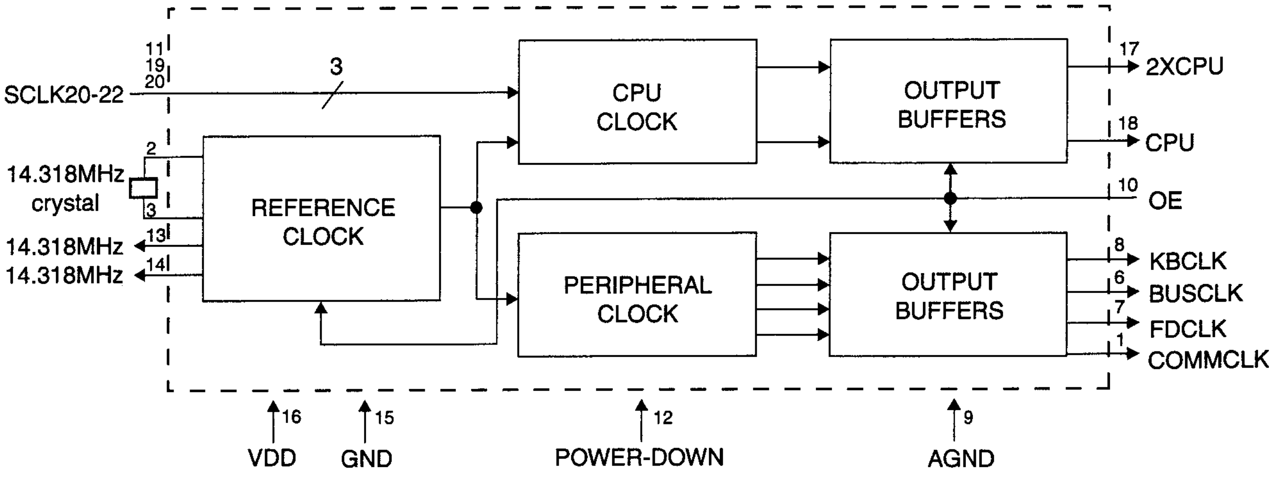
● MC10H351ML <IC1501>


B in
7
1
$\overline{B}$ out
2
B out
A in
8
5
$\overline{A}$ out
4
A out
D in
12
16
$\overline{D}$ out
17
D out
C in
14
19
$\overline{C}$ out
18
C out
Common Strobe
9

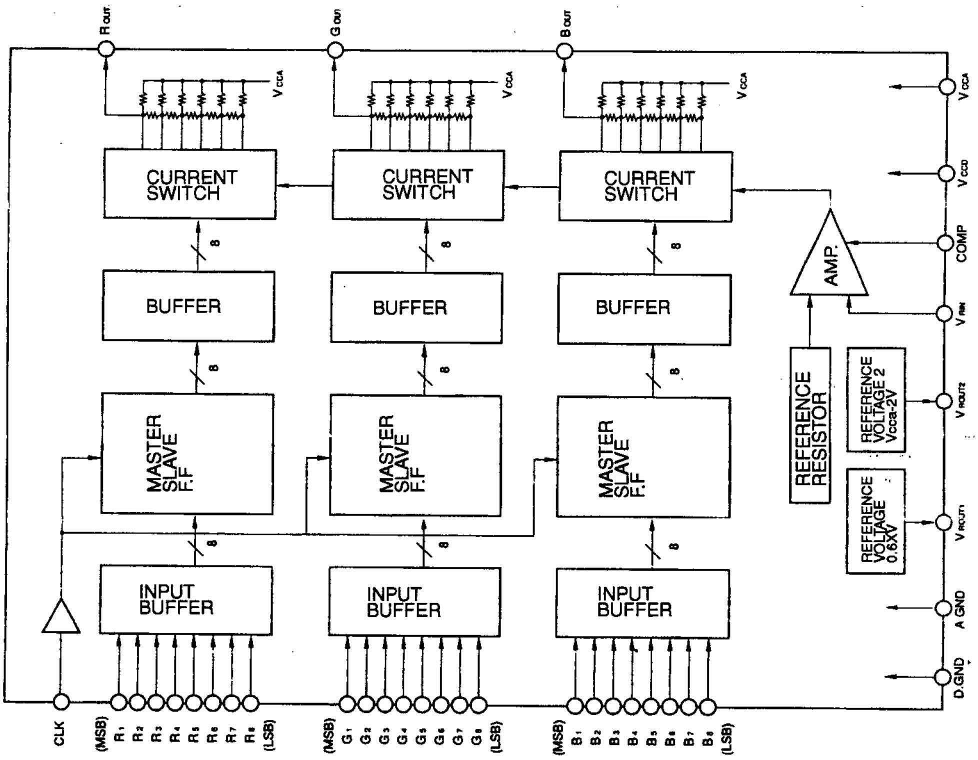
● LM76CHMX <Thermal Sensor, IC1831, IC1832>


8
+V_S
LM76
12-Bit + Sign Temperature-to-Digital Converter
T_CRIT
T_HIGH
T_LOW
3
T_CRIT_A
5
INT
T_CRIT
T_HIGH
T_LOW
Serial Bus Interface and Storage Registers
A0
7
A1
6
1
SDA
SCL
2
4

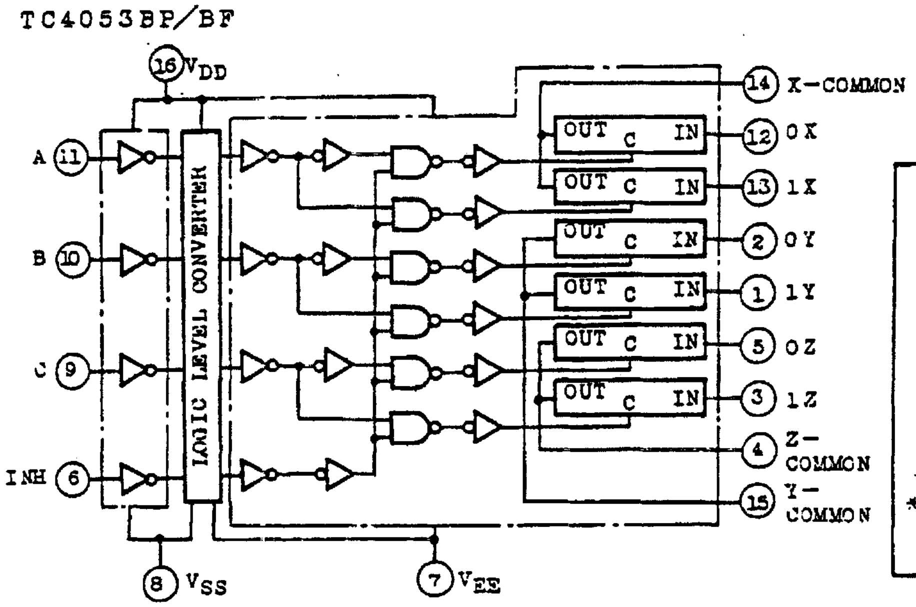
● AV9155C <PLL, IC1961>

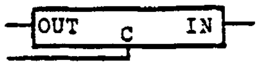

SCLK20-22
11
19
20
3
CPU CLOCK
OUTPUT BUFFERS
17
2XCPU
18
CPU
14.318MHz crystal
2
3
REFERENCE CLOCK
10
OE
14.318MHz
13
14.318MHz
14
PERIPHERAL CLOCK
OUTPUT BUFFERS
8
KBCLK
6
BUSCLK
7
FDCLK
1
COMMCLK
16
VDD
15
GND
12
POWER-DOWN
9
AGND

● MB40988PFQ<D/A COnverter, IC2200>


R OUT
G OUT
B OUT
V CCA
V CCA
V CCA
V CCA
V CCD
COMP
V RIN
V ROUT2
V ROUT1
A GND
D.GND
CURRENT SWITCH
CURRENT SWITCH
CURRENT SWITCH
AMP.
8
BUFFER
BUFFER
BUFFER
REFERENCE RESISTOR
REFERENCE VOLTAGE 2 Vcca-2V
REFERENCE VOLTAGE 0.6XV
MASTER SLAVE F.F
MASTER SLAVE F.F
MASTER SLAVE F.F
INPUT BUFFER
INPUT BUFFER
INPUT BUFFER
CLK
(MSB) R1 R2 R3 R4 R5 R6 R7 R8 (LSB)
(MSB) G1 G2 G3 G4 G5 G6 G7 G8 (LSB)
(MSB) B1 B2 B3 B4 B5 B6 B7 B8 (LSB)

● TC4053BF <Switching, IC5001>


TC4053BP/BF
16 VDD
A 11
B 10
C 9
INH 6
LOGIC LEVEL CONVERTER
OUT C IN
14 X−COMMON
12 0X
13 1X
2 0Y
1 1Y
5 0Z
3 1Z
4 Z−COMMON
15 Y−COMMON
8 VSS
7 VEE

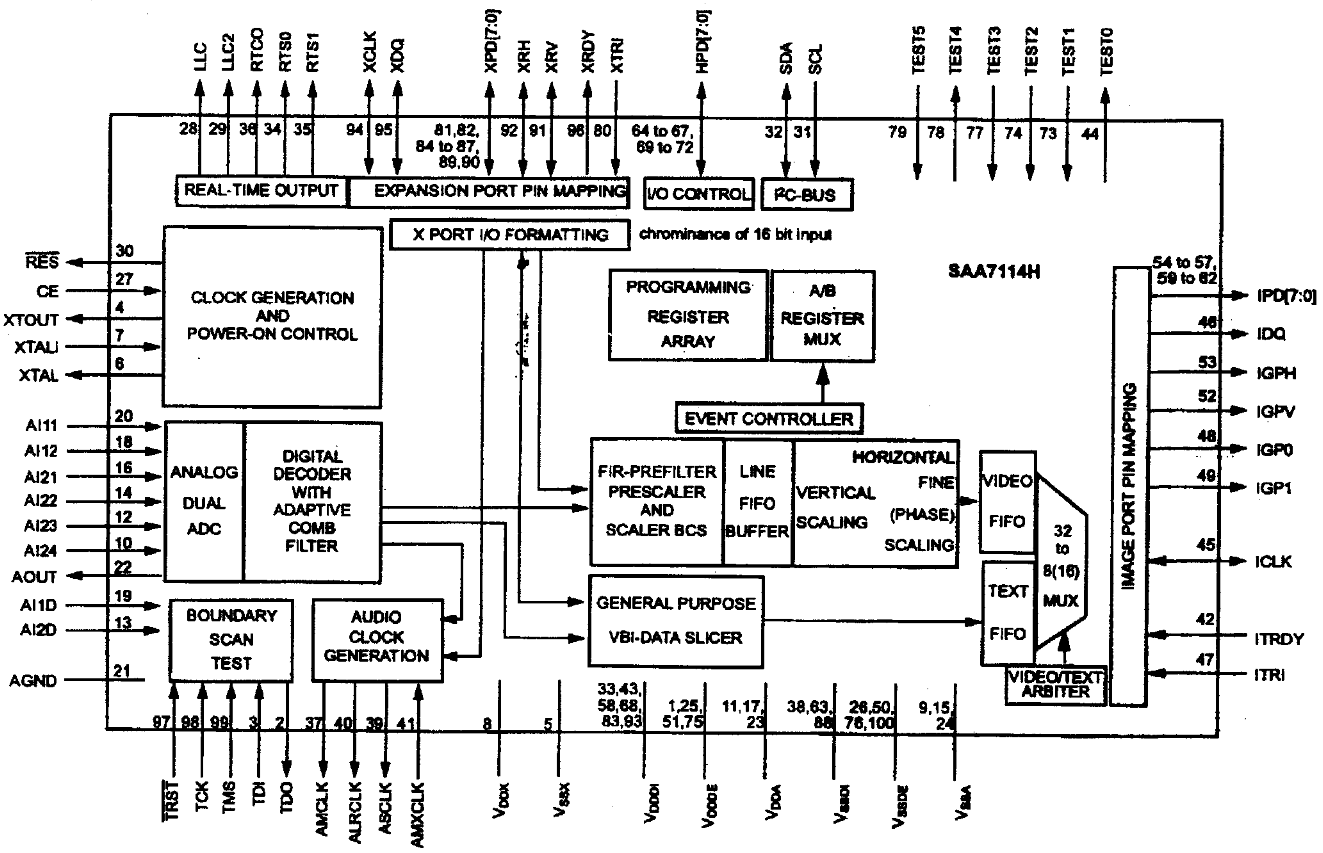


LOGIC TABLE

CONTROL C	Impedance Between IN − OUT *
H	0.5 ~ 5×10^2 Ω
L	>10^{9}Ω

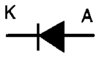
* See Electrical Characteristics

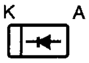
● SAA7114H <Digital Video Processor, IC5101>

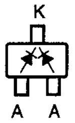

LLC
LLC2
RTCO
RTS0
RTS1
XCLK
XDQ
XPD[7:0]
XRH
XRV
XRDY
XTRI
HPD[7:0]
SDA
SCL
TEST5
TEST4
TEST3
TEST2
TEST1
TEST0
28
29
36
34
35
94
95
81,82, 84 to 87, 89,90
92
91
96
80
64 to 67, 69 to 72
32
31
79
78
77
74
73
44
REAL-TIME OUTPUT
EXPANSION PORT PIN MAPPING
I/O CONTROL
I²C-BUS
X PORT I/O FORMATTING
chrominance of 16 bit input
SAA7114H
RES
CE
XTOUT
XTALI
XTAL
30
27
4
7
6
CLOCK GENERATION AND POWER-ON CONTROL
PROGRAMMING REGISTER ARRAY
A/B REGISTER MUX
EVENT CONTROLLER
AI11
AI12
AI21
AI22
AI23
AI24
AOUT
AI1D
AI2D
AGND
20
18
16
14
12
10
22
19
13
21
ANALOG DUAL ADC
DIGITAL DECODER WITH ADAPTIVE COMB FILTER
FIR-PREFILTER PRESCALER AND SCALER BCS
LINE FIFO BUFFER
VERTICAL SCALING
HORIZONTAL FINE (PHASE) SCALING
VIDEO FIFO
TEXT FIFO
32 to 8(16) MUX
VIDEO/TEXT ARBITER
GENERAL PURPOSE VBI-DATA SLICER
BOUNDARY SCAN TEST
AUDIO CLOCK GENERATION
IMAGE PORT PIN MAPPING
54 to 57, 59 to 62
46
53
52
48
49
45
42
47
IPD[7:0]
IDQ
IGPH
IGPV
IGP0
IGP1
ICLK
ITRDY
ITRI
97
98
99
3
2
37
40
39
41
8
5
33,43, 58,68, 83,93
1,25, 51,75
11,17, 23
38,63, 88
26,50, 76,100
9,15, 24
TRST
TCK
TMS
TDI
TDO
AMCLK
ALRCLK
ASCLK
AMXCLK
V_{DDX}
V_{SSX}
V_{DDDI}
V_{DDDE}
V_{DDA}
V_{SSDI}
V_{SSDE}
V_{SSA}

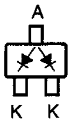
■ Pin description of diode, transistor and IC

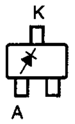
● Diode

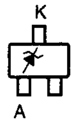






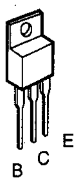


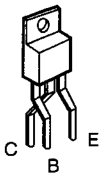


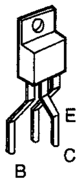


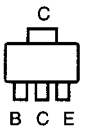
K: Cathode
A: Anode

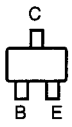
● Transistor/FET

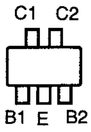


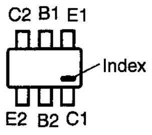






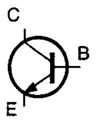


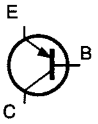


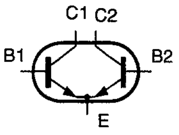

C2
B1
E1
Index
E2
B2
C1

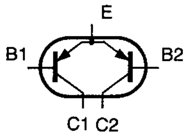
C: Collector
B: Base
E: Emitter

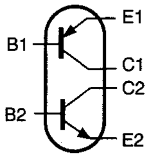
D: Drain
G: Gate
S: Source



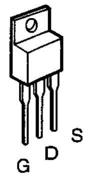


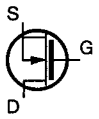




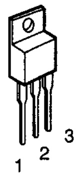

E1
B1
C1
C2
B2
E2

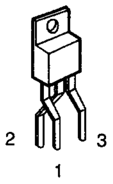
FET

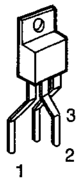


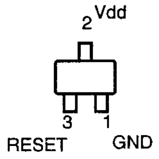


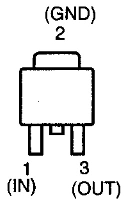
● IC

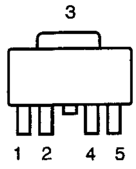


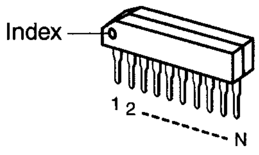


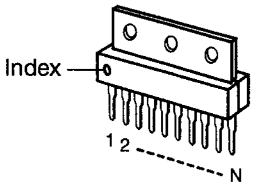


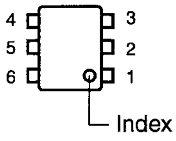

2 Vdd
3
1
RESET
GND

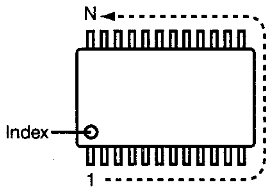

(GND)
2
1
3
(IN)
(OUT)

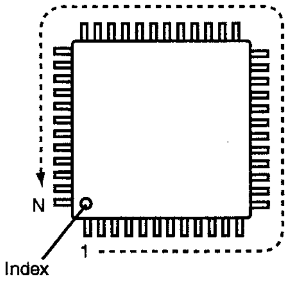


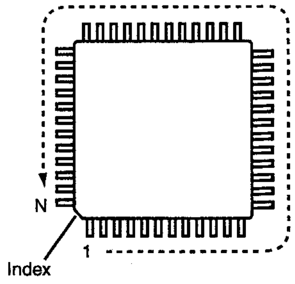


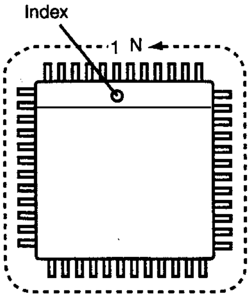


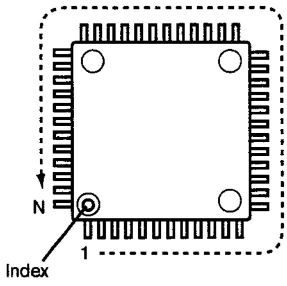

4
5
6
3
2
1
Index

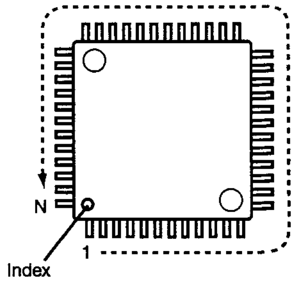








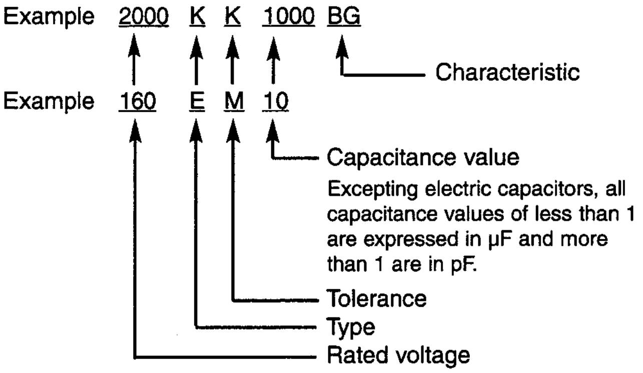




■ Parts description and reading in schematic diagram

1. The parts specification of resistors, capacitors and coils are expressed in designated code. Please check the parts description by the following code table.
2. Some of transistors and diodes are indicated in mark for the substitution of parts name. Please check the parts name by the following code table.
3. Voltages and waveforms were taken with a video color bar signal(1Vp-p at 75 ohms terminated) and controls to normal.
4. Voltages were taken with a high-impedance digital voltmeter.

Capacitor Reading



Example 2000 K K 1000 BG
Characteristic
Example 160 E M 10
Capacitance value
Excepting electric capacitors, all capacitance values of less than 1 are expressed in μF and more than 1 are in pF.
Tolerance
Type
Rated voltage

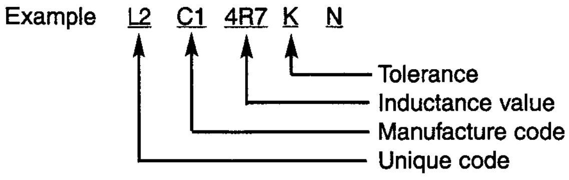
● Material table

Mark	Material
E	Electrolytic
P	Electrolytic (non-polarized)
C	Ceramic (temperature compensation)
K	Ceramic
F	Polyester
N	Polypropylene
M	Metalized polypropylene
H	Metalized polypromylar
B	Ceramic (semiconductor)
G	Metalized polyestel
Y	Composite film
S	Styrol
T	Tantalum oxide solid electrolytic
U	Organic semiconductive electrolyte
D	Electric double layer electrolytic

● Tolerance table

Mark	Tolerance	
A	not specified	
B	±0.1	
C	±0.25	
D	±0.5	
F	±1	
G	±2	
E	±2.5	
H	±3	
J	±5	
K	± 0	
M	±20	
N	±30	
P	+100	-0
Q	+30	-10
T	+50	-10
U	+75	-10
V	+20	-10
W	+100	-10
X	+40	-20
Y	+150	-10
Z	+80	-20

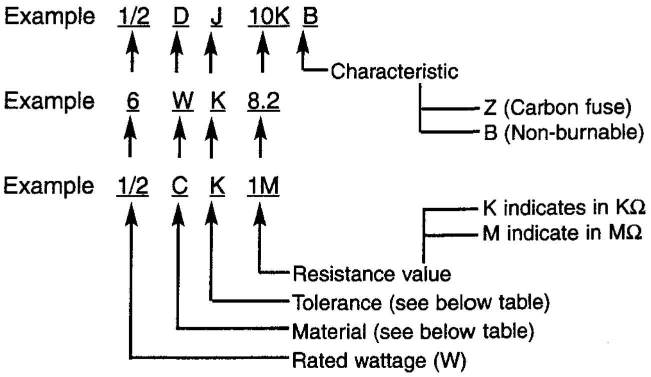
Coil Reading



Example L2 C1 4R7 K N
Tolerance
Inductance value
Manufacture code
Unique code

Mark	Tolerance (nH)	Mark	Tolerance (%)
C	±0.25	G	±2
D	±0.5	J	±5
S	±0.3	K	±10
A	±0.2	L	±15
		M	±20

Resistor Reading



Example 1/2 D J 10K B
Characteristic
Example 6 W K 8.2
Z (Carbon fuse)
B (Non-burnable)
Example 1/2 C K 1M
K indicates in KΩ
M indicate in MΩ
Resistance value
Tolerance (see below table)
Material (see below table)
Rated wattage (W)

Note: Resistor which is indicated with resistance value only are 1/6W carbon resistor. Resistor which is indicated with material, tolerance and value are 1/4W rated wattage.

● Material table

Mark	Material
D	Carbon
N	Metal film
S	Oxide metal film
C	Solid
G	Metal glaze
W	Wire wounding or cement
H	Ceramic
F	Fusible

● Tolerance table

Mark	Tolerance	
A	±0.05	
B	±0.1	
C	±0.25	
D	±0.5	
F	±1	
G	±2	
J	±5	
K	±10	
M	±20	
P	+5	-15
Z	used in 0 ohm	

Diode/Transistor Type Reading

● Diode

Mark	Type number
R	1S2076A,1S2473,1N4148
AA	1S2076A,1S2473,1SS133,1N4148

● Transistor

(1) NPN type

Mark	Type number				
--	2SC536	2SC945A	2SC1815	2SC1740S	
AD	NF, NG	PA, QA, RA	Y, GR	Q, R, S	
AE	NF, NG	PA, QA	O, Y, GR	Q, R, S	

(2) PNP type

Mark	Type number				
--	2SA608	2SA564A	2SA1015	2SA933S	
AB	NF	R	Y, GR	R	
AC	NF	Q, R	O, Y, GR	Q, R	

(3) Chip type

Mark	Type number				
--	2SA1179	2SA1037K	2SA1037AK	2SC2812	2SC2412K
AJ	M6, M7	R, S	R, S		
AH				L6, L7	R, S

■ Electrical Parts List

Product safety should be considered when a component replacement is made in any area of a projector. Components indicated by a ⚠ mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark.

● Read Description in the parts list

Read description in the Capacitor and Resistor as follows:

CAPACITOR CERAMIC 100P K 50V

50V — Rated Voltage

K — Tolerance Symbols:

Less than 10pF

A : Not specified B : ±0.1pF C : ±0.25pF
D : ±0.5pF E : +0 -1pF F : ±1PF
G : ±2pF H : +0.1 -0pF L : +0 -0.1pF
R : ±0.25 -0pF S : +0-0.25pF

More than 10pF

A : Not specified B : ±0.1% C : ±0.25%
D : ±0.5% F : ±1% G : ±2%
H : ±3% J : ±5% K : ±10%
L : ±15% M : ±20% N : ±30%
P : +100-0% Q : +30-10% T : +50-10%
U : +75-10% V : +20-10% W : +100-10%
X : +40-20% Y : +150-10% Z : +80-20%

100P — Rated value: P=pico farad, U=micro farad

CERAMIC — Material:

CERAMIC	Ceramic
MT-PAPER	Metallized Paper
POLYESTER	Polyester
MT-POLYEST	Metallized Polyester
POLYPRO	Polypropylene
MT-POLYPRO	Metallized Polypropylene
COMPO FILM	Composite film
MT-COMPO	Metallized Composite
STYRENE	Styrene
TA-SOLID	Tantalum Oxide Solid Electrolytic
AL-SOLID	Aluminium Solid Electrolytic
ELECT	Aluminum Foil Electrolytic
NP-ELECT	Non-polarised Electrolytic
OS-SOLID	Aluminium Solid with Organic Semiconductive Electrolytic
POS-SOLID	Polymerized Organic Semiconductive
DL-ELECT	Double Layered Electrolytic
PPS-FILM	Polyphenylene Sulfide Film
MT-PPS-FILM	Metalized Polyphenylene Sulfide Film
MT-PEN-FILM	Metalized Polyethylenenaphthalate Film
CAPACITOR	Other

RESISTOR CARBON 4.7K J A 1/4W

1/4W — Rated Wattage

A — Performance Symbols:

A: General B: Non flammable Z: Low noise

Other: Temperature coefficient

T: ±10ppm/°C U: ±25ppm/°C C: ±50ppm/°C
D: ±100ppm/°C E: ±200ppm/°C F: ±250ppm/°C
G: ±350ppm/°C H: ±1000ppm/°C±10% W: ±1200ppm/°C±10%
Y: ±1400ppm/°C±10% J: ±2000ppm/°C±10% K: ±2400ppm/°C±10%
L: ±2700ppm/°C±10% M: ±3000ppm/°C±10% N: ±3300ppm/°C±10%
P: ±3600ppm/°C±10% Q: ±3900ppm/°C±10% R: ±4200ppm/°C±10%
S: ±4300ppm/°C±10% V: ±4500ppm/°C±10% X: ±8000ppm/°C±10%

J — Tolerance Symbols:

A: ±0.05% B: ±0.1% C: ±0.25% D: ±0.5%
F: ±1% G: ±2% J: ±5% K: ±10%
M: ±20% P: +5-15% Z: 0 ohm

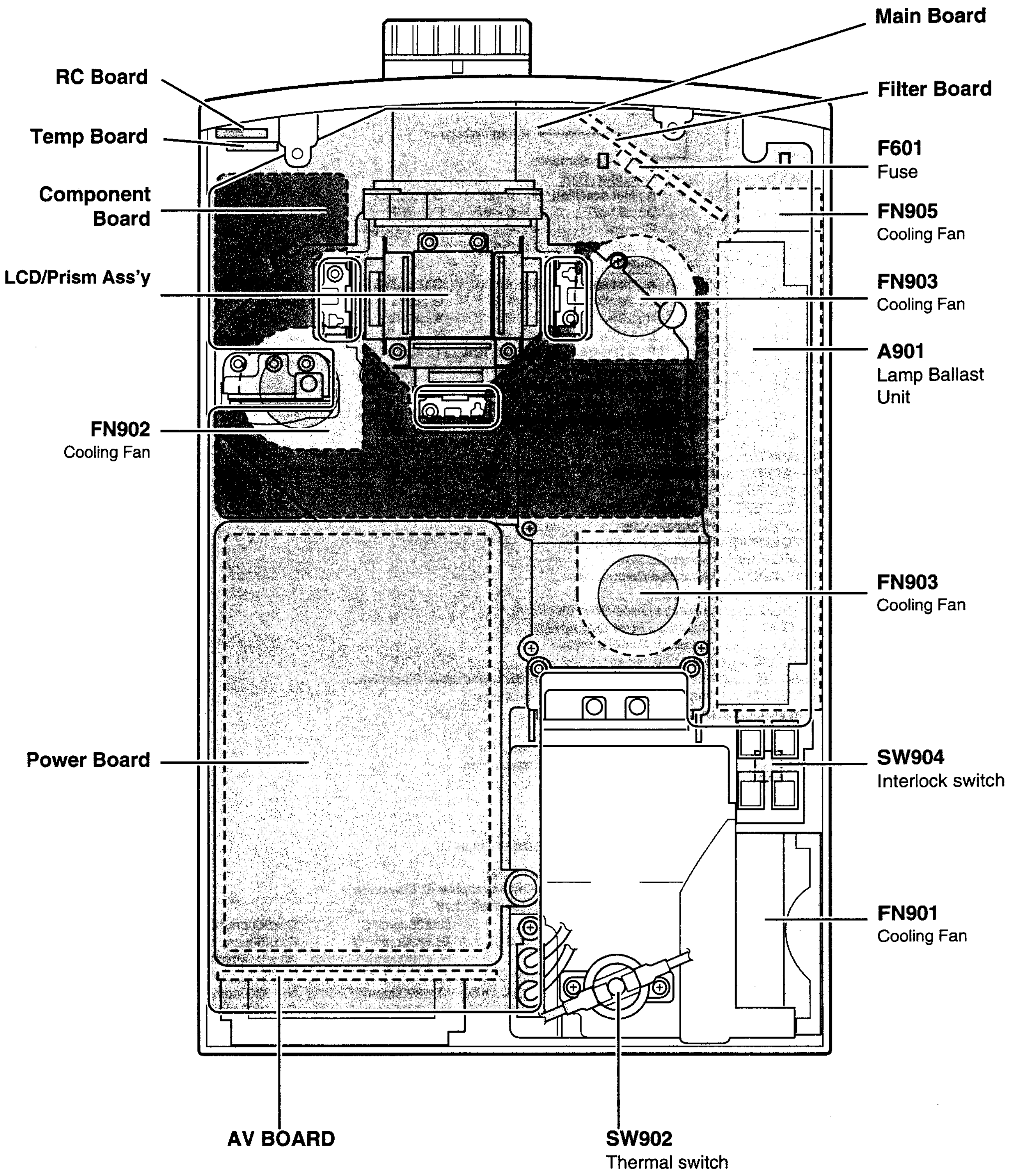
4.7K — Rated value, ohms:
K: 1,000, M: 1,000,000

CARBON — Material:

CARBON	Carbon
MT-FILM	Metal Film
OXIDE-MT	Oxide Metal Film
SOLID	Composition
MT-GLAZE	Metal Glaze
WIRE WOUND	Wire Wound
CERAMIC RES.	Ceramic
FUSIBLE RES.	Fusible
RESISTOR	Other

Note: Parts order must contain Chassis No., Part No., and Descriptions.

● OUT OF CIRCUIT BOARD


Main Board
RC Board
Filter Board
Temp Board
F601
Fuse
Component Board
FN905
Cooling Fan
LCD/Prism Ass'y
FN903
Cooling Fan
A901
Lamp Ballast Unit
FN902
Cooling Fan
FN903
Cooling Fan
Power Board
SW904
Interlock switch
FN901
Cooling Fan
AV BOARD
SW902
Thermal switch

Electrical Parts List

OUT OF CIRCUIT BOARDS

Ref. No.	Part No.	Description
⚠ LP900	610 289 8422	ASYY, LAMP (POA-LMP31)
L901	645 044 6207	CORE,FERRITE
L902	645 044 6207	CORE,FERRITE
L903	645 003 3834	CORE,FERRITE

MISCELLANEOUS

Ref. No.	Part No.	Description
⚠ A901	645 043 9919	UNIT,BALLAST
⚠ C901	404 071 4507	CERAMIC 470P K 400V
⚠ C902	404 071 4507	CERAMIC 470P K 400V
⚠ FN901	645 041 6057	MOTOR,FAN DC 1.86W
⚠ FN902	645 041 7856	MOTOR,FAN DC 2.2W
⚠ FN903	645 041 7856	MOTOR,FAN DC 2.2W
⚠ FN904	645 045 4363	MOTOR,FAN DC 0.84W
⚠ FN905	645 042 7824	MOTOR,FAN DC 0.6W
⚠ IL901	645 041 4978	SOCKET,INLET AC
SP901	645 030 6150	SPEAKER,8
⚠ SW902	645 026 5457	SWITCH,THERMAL
	645 041 9164	SWITCH,THERMAL
⚠ SW904	645 024 8986	SWITCH,PUSH 2P-2TX2

610 287 9278 ASSY,PWB,MAIN MP6A
1AA0B10C3010A

TRANSISTOR

Ref. No.	Part No.	Description
Q1801	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q1821	405 045 8705	TR 2SK536-TB
Q1822	405 045 8705	TR 2SK536-TB
Q1881	405 045 8705	TR 2SK536-TB
Q2851	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q2852	405 132 3101	TR DTC114EKA-T146
Q2853	405 132 3101	TR DTC114EKA-T146
Q2854	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
Q303	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q371	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q451	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q5001	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q5002	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q5003	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q5004	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q5006	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q5007	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q5008	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q5041	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q5042	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q5201	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
Q5202	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
Q5203	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
Q5204	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
Q5211	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q5223	405 149 1701	TR DTC143TKA T146
Q5251	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q5252	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q5253	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S

Ref. No.	Part No.	Description
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q5296	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
Q6601	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q6602	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q6612	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q7281	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q851	405 045 8705	TR 2SK536-TB

INTEGRATED CIRCUIT

Ref. No.	Part No.	Description
IC1401	409 343 0201	IC LT1206CS8
IC1451	409 343 0201	IC LT1206CS8
IC1501	409 476 8808	IC CXA3512R
IC1531	409 476 8808	IC CXA3512R
IC1561	409 476 8808	IC CXA3512R
IC1801	409 330 2508	IC TC7SH04FU-(TE85L)
	410 356 7606	IC SN74AHC1G04HDCKR
IC1802	410 381 4403	IC TC7W32FU(TE12L)
IC1803	410 346 8804	IC TC74LCX574FT
IC1804	410 346 8804	IC TC74LCX574FT
IC1806	410 346 8804	IC TC74LCX574FT
IC1807	410 346 8804	IC TC74LCX574FT
IC1808	410 362 6501	IC TC74LCX541FT
IC1809	410 362 6501	IC TC74LCX541FT
IC1831	409 481 8602	IC LM76CHMX-5
IC1851	409 486 6108	IC M51206FP
IC1901	409 439 8906	IC TC7WH125FU
IC1911	409 439 8906	IC TC7WH125FU
IC1921	409 439 8906	IC TC7WH125FU
IC1931	410 386 1902	IC TC74VCX125FT
IC1941	409 489 5009	IC TC74VCX04FT
IC1951	409 461 8202	IC ER-ICS502MT
IC1961	409 428 7101	IC AV9155C
IC1991	409 487 5704	IC TC7SZ125FU
IC202	410 353 1805	IC AD9884AKS-140
IC2200	410 308 6404	IC MB40988PFQ-G-MSBND
IC2211	409 461 7304	IC AD8057ART
IC2221	409 461 7304	IC AD8057ART
IC2231	409 461 7304	IC AD8057ART
IC231	409 416 6406	IC BA033FP-E2
IC2601	409 416 6406	IC BA033FP-E2
IC2612	409 461 7700	IC PQ2TZ15
IC2621	409 416 6406	IC BA033FP-E2
IC2631	409 124 5708	IC L78M09T-TR
IC2642	409 398 1901	IC L88MS05TL-TL
IC2643	409 398 1901	IC L88MS05TL-TL
IC2881	410 378 7103	IC PIC12C508A-04/SM A
IC2882	410 343 7008	IC SN74AHCT1G14DBVR
IC301	409 478 2408	IC PW164-10RK
IC302	409 339 3605	IC 24LC16BT/SN-T
IC311	409 480 1307	IC PST573IM
	409 480 1307	IC PST573IM
IC312	409 350 2908	IC TC7W126FU-(TE12L)
IC321	409 400 7105	IC TC7W53FU-(TE12L)
IC3301	409 478 1302	IC LC24049A-TA7
IC3302	409 416 6406	IC BA033FP-E2
IC3321	410 325 4605	IC TC74LCX244FT
IC3331	410 315 5308	IC MC74ACT244DT
IC3381	410 315 5308	IC MC74ACT244DT
IC3391	410 315 5308	IC MC74ACT244DT
IC3392	409 330 2508	IC TC7SH04FU-(TE85L)
IC3393	409 330 2508	IC TC7SH04FU-(TE85L)
IC3501	409 419 3709	IC MC10H351ML1
IC351	410 337 0503	IC TC74LCX14FT
	410 337 0602	IC HD74LVC14T
IC3801	410 275 5707	IC TWM7000-162020
	410 275 5806	IC TWM7000-162020
IC3841	410 296 5700	IC TWM7000-151020
IC3861	410 296 2402	IC TMP47C101M-JV45
IC3862	409 344 1900	IC MN1382-Q-TX
IC3871	409 380 6303	IC HIN232CB
	409 273 3501	IC SP232ACT
IC401	409 419 2603	IC CXA2111R
IC411	409 330 2508	IC TC7SH04FU-(TE85L)
	410 356 7606	IC SN74AHC1G04HDCKR
IC431	409 326 3007	IC M62358FP
IC451	409 398 1901	IC L88MS05TL-TL
IC471	409 460 8302	IC CXD3503R
IC472	409 398 1901	IC L88MS05TL-TL
IC5001	409 051 2900	IC TC4053BF(EL)
IC501	409 476 8808	IC CXA3512R
IC5101	409 478 2507	IC SAA7114H
IC5102	409 416 6406	IC BA033FP-E2
IC5201	409 407 7900	IC EL4332CS
IC5251	409 461 7304	IC AD8057ART
IC5252	409 461 7304	IC AD8057ART
IC5253	409 461 7304	IC AD8057ART
IC5281	409 407 7900	IC EL4332CS
IC5282	409 400 7105	IC TC7W53FU-(TE12L)
IC531	409 476 8808	IC CXA3512R
IC561	409 476 8808	IC CXA3512R
IC6101	410 386 9205	IC LC24193AT-TH5
IC6102	409 344 1900	IC MN1382-Q-TX
IC6601	409 481 8503	IC AD8400AR1
IC6901	410 402 6003	IC EPM3256ATC144-10
IC7221	410 337 0503	IC TC74LCX14FT
	410 337 0602	IC HD74LVC14T
IC7241	409 461 7304	IC AD8057ART
IC7251	409 461 7304	IC AD8057ART
IC7261	409 461 7304	IC AD8057ART
IC801	410 393 3302	IC MBM29LV800TA90NB786
IC811	410 352 8508	IC IDT71V016S15PHTR
IC851	410 311 5708	IC MC74HCT244ADT
	410 315 5506	IC HD74HCT244TV
	410 356 7507	IC SN74HCT244PWR
IC861	410 325 4605	IC TC74LCX244FT

CAPACITOR

Ref. No.	Part No.	Description			
C1401	403 157 3601	CERAMIC	100P	J	50V
C1402	403 164 0204	CERAMIC	0.1U	Z	25V
C1403	403 164 0204	CERAMIC	0.1U	Z	25V
C1404	403 229 3508	ELECT	100U	M	16V
C1411	403 322 7809	ELECT	220U	M	6.3V
C1451	403 157 3601	CERAMIC	100P	J	50V
C1452	403 215 2201	CERAMIC	0.01U	K	50V
C1453	403 164 0204	CERAMIC	0.1U	Z	25V
C1454	403 229 3508	ELECT	100U	M	16V

Ref. No.	Part No.	Description
C1500	403 280 0805	ELECT 330U M 6.3V
C1501	403 164 0204	CERAMIC 0.1U Z 25V
C1502	403 215 2201	CERAMIC 0.01U K 50V
C1503	403 164 0204	CERAMIC 0.1U Z 25V
C1504	403 162 4709	ELECT 10U M 16V
C1507	403 164 0204	CERAMIC 0.1U Z 25V
C1508	403 280 0805	ELECT 330U M 6.3V
C1509	403 280 1604	ELECT 220U M 16V
C1511	403 164 0204	CERAMIC 0.1U Z 25V
C1530	403 280 0805	ELECT 330U M 6.3V
C1531	403 164 0204	CERAMIC 0.1U Z 25V
C1532	403 215 2201	CERAMIC 0.01U K 50V
C1533	403 164 0204	CERAMIC 0.1U Z 25V
C1534	403 162 4709	ELECT 10U M 16V
C1536	403 164 0204	CERAMIC 0.1U Z 25V
C1537	403 280 0805	ELECT 330U M 6.3V
C1538	403 280 1604	ELECT 220U M 16V
C1539	403 164 0204	CERAMIC 0.1U Z 25V
C1560	403 280 0805	ELECT 330U M 6.3V
C1561	403 164 0204	CERAMIC 0.1U Z 25V
C1562	403 215 2201	CERAMIC 0.01U K 50V
C1563	403 164 0204	CERAMIC 0.1U Z 25V
C1564	403 162 4709	ELECT 10U M 16V
C1566	403 164 0204	CERAMIC 0.1U Z 25V
C1567	403 280 0805	ELECT 330U M 6.3V
C1568	403 229 3508	ELECT 100U M 16V
C1569	403 164 0204	CERAMIC 0.1U Z 25V
C1801	403 162 4709	ELECT 10U M 16V
C1802	403 164 0204	CERAMIC 0.1U Z 25V
C1831	403 164 0204	CERAMIC 0.1U Z 25V
C1851	403 283 6309	CERAMIC 1U Z 10V
C1852	403 283 6309	CERAMIC 1U Z 10V
C1853	403 283 6309	CERAMIC 1U Z 10V
C1901	403 164 0204	CERAMIC 0.1U Z 25V
C1902	403 162 4006	ELECT 22U M 6.3V
C1931	403 164 0204	CERAMIC 0.1U Z 25V
C1941	403 164 0204	CERAMIC 0.1U Z 25V
C1942TM	403 026 9307	CERAMIC 5P C 50V
C1951	403 149 9208	CERAMIC 0.01U Z 50V
C1961	403 164 0204	CERAMIC 0.1U Z 25V
C1962	403 280 0508	ELECT 470U M 4V
C1963	403 164 0204	CERAMIC 0.1U Z 25V
C1964	403 155 4204	CERAMIC 15P J 50V
C1965	403 164 0204	CERAMIC 0.1U Z 25V
C1966	403 164 0204	CERAMIC 0.1U Z 25V
C1971	403 229 3508	ELECT 100U M 16V
C1972	403 280 1604	ELECT 220U M 16V
C1973	403 322 7809	ELECT 220U M 6.3V
C1991	403 164 0204	CERAMIC 0.1U Z 25V
C2201	403 164 0204	CERAMIC 0.1U Z 25V
C2202	403 208 1402	TA-SOLID 1U M 25V
C2203	403 164 0204	CERAMIC 0.1U Z 25V
C2204	403 164 0204	CERAMIC 0.1U Z 25V
C2206	403 322 7809	ELECT 220U M 6.3V
C2207	403 164 0204	CERAMIC 0.1U Z 25V
C2211	403 233 3808	CERAMIC 10P C 50V
C2212	403 164 0204	CERAMIC 0.1U Z 25V
C2221	403 233 3808	CERAMIC 10P C 50V
C2222	403 164 0204	CERAMIC 0.1U Z 25V
C2231	403 233 3808	CERAMIC 10P C 50V
C2232	403 164 0204	CERAMIC 0.1U Z 25V
C231	403 164 0204	CERAMIC 0.1U Z 25V
C232	403 175 4109	ELECT 22U M 16V
C233	403 164 0204	CERAMIC 0.1U Z 25V
C234TM	403 135 3302	ELECT 1000U M 6.3V
	403 206 9004	ELECT 1000U M 6.3V
C235	403 164 0204	CERAMIC 0.1U Z 25V
C236	403 298 9609	CERAMIC 0.1U K 16V
	403 325 3303	CERAMIC 0.1U K 16V
C238	403 164 0204	CERAMIC 0.1U Z 25V
C239TM	403 135 3302	ELECT 1000U M 6.3V
	403 206 9004	ELECT 1000U M 6.3V
C241	403 215 2201	CERAMIC 0.01U K 50V
C242	403 298 9609	CERAMIC 0.1U K 16V
	403 325 3303	CERAMIC 0.1U K 16V
C243	403 298 9609	CERAMIC 0.1U K 16V
	403 325 3303	CERAMIC 0.1U K 16V
C251	403 164 0204	CERAMIC 0.1U Z 25V
C252	403 164 0204	CERAMIC 0.1U Z 25V
C253	403 157 3809	CERAMIC 120P J 50V
C254	403 164 0204	CERAMIC 0.1U Z 25V
C256	403 164 0204	CERAMIC 0.1U Z 25V
C2601	403 164 0204	CERAMIC 0.1U Z 25V
C2602	403 322 7809	ELECT 220U M 6.3V
C2603	403 164 0204	CERAMIC 0.1U Z 25V
C2606	403 229 3508	ELECT 100U M 16V
C2611	403 164 0204	CERAMIC 0.1U Z 25V
C2612	403 164 0204	CERAMIC 0.1U Z 25V
C2613	403 164 0204	CERAMIC 0.1U Z 25V
C2614	403 322 7809	ELECT 220U M 6.3V
C2615	403 164 0204	CERAMIC 0.1U Z 25V
C2616	403 229 3508	ELECT 100U M 16V
C2618	403 229 3508	ELECT 100U M 16V
C2621	403 164 0204	CERAMIC 0.1U Z 25V
C2622	403 322 7809	ELECT 220U M 6.3V
C2623	403 164 0204	CERAMIC 0.1U Z 25V
C2626	403 229 3508	ELECT 100U M 16V
C2631	403 164 0204	CERAMIC 0.1U Z 25V
C2632	403 229 3508	ELECT 100U M 16V
C2633	403 164 0204	CERAMIC 0.1U Z 25V
C2635	403 229 3508	ELECT 100U M 16V
C2636	403 229 3508	ELECT 100U M 16V
C2637	403 283 6309	CERAMIC 1U Z 10V
	403 336 5600	CERAMIC 1U Z 10V
C2638	403 322 7809	ELECT 220U M 6.3V
C2639	403 164 0204	CERAMIC 0.1U Z 25V
C2641	403 280 1604	ELECT 220U M 16V
C2654	403 322 7809	ELECT 220U M 6.3V
C2656	403 164 0204	CERAMIC 0.1U Z 25V
C2657	403 229 3508	ELECT 100U M 16V
C2658	403 229 3508	ELECT 100U M 16V
C2659	403 283 6309	CERAMIC 1U Z 10V
C2851	403 164 0204	CERAMIC 0.1U Z 25V
C2852	403 164 0204	CERAMIC 0.1U Z 25V
C2881	403 139 7108	CERAMIC 12P J 50V
C2882	403 139 7108	CERAMIC 12P J 50V
C2891	403 205 2808	CERAMIC 0.047U K 25V
C2892	403 164 0204	CERAMIC 0.1U Z 25V
C301	403 162 4709	ELECT 10U M 16V
C302	403 164 0204	CERAMIC 0.1U Z 25V
C303	403 149 9208	CERAMIC 0.01U Z 50V
C306	403 164 0204	CERAMIC 0.1U Z 25V
C307	403 149 9208	CERAMIC 0.01U Z 50V
C308	403 149 9208	CERAMIC 0.01U Z 50V
C309	403 164 0204	CERAMIC 0.1U Z 25V
C311	403 322 7809	ELECT 220U M 6.3V
C312	403 164 0204	CERAMIC 0.1U Z 25V
C313	403 322 7809	ELECT 220U M 6.3V
C314	403 164 0204	CERAMIC 0.1U Z 25V
C315	403 164 0204	CERAMIC 0.1U Z 25V
C3301	403 322 7809	ELECT 220U M 6.3V
C3302	403 322 7809	ELECT 220U M 6.3V
C3303	403 164 0204	CERAMIC 0.1U Z 25V
C3305	403 164 0204	CERAMIC 0.1U Z 25V

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C3306	403 322 7809	ELECT 220U M 6.3V	C5001	403 205 7803	TA-SOLID 2.2U M 16V
C3307	403 164 0204	CERAMIC 0.1U Z 25V	C5002	403 205 7803	TA-SOLID 2.2U M 16V
C3331	403 164 0204	CERAMIC 0.1U Z 25V	C5003	403 205 7803	TA-SOLID 2.2U M 16V
C3371	403 164 0204	CERAMIC 0.1U Z 25V	C5004	403 205 7803	TA-SOLID 2.2U M 16V
C3381	403 164 0204	CERAMIC 0.1U Z 25V	C5006	403 205 7803	TA-SOLID 2.2U M 16V
C3391	403 164 0204	CERAMIC 0.1U Z 25V	C5007	403 343 8809	CERAMIC 0.47U Z 16V
C3501	403 164 0204	CERAMIC 0.1U Z 25V	C5008	403 343 8809	CERAMIC 0.47U Z 16V
C3502	403 322 7809	ELECT 220U M 6.3V	C5009	403 162 4709	ELECT 10U M 16V
C3504	403 322 7809	ELECT 220U M 6.3V	C501	403 155 1609	CERAMIC 33P J 50V
C351	403 164 0204	CERAMIC 0.1U Z 25V	C5010	403 322 7809	ELECT 220U M 6.3V
C3802	403 283 6309	CERAMIC 1U Z 10V	C5011	403 343 8809	CERAMIC 0.47U Z 16V
C3841	403 283 6309	CERAMIC 1U Z 10V	C5012	403 162 4709	ELECT 10U M 16V
C3842	403 283 6309	CERAMIC 1U Z 10V	C5013	403 162 4709	ELECT 10U M 16V
C3844	403 283 6309	CERAMIC 1U Z 10V	C5014	403 322 7809	ELECT 220U M 6.3V
C3846	403 164 0204	CERAMIC 0.1U Z 25V	C502	403 164 0204	CERAMIC 0.1U Z 25V
C3861	403 283 6309	CERAMIC 1U Z 10V	C503	403 164 0204	CERAMIC 0.1U Z 25V
C3864	403 162 6208	ELECT 1U M 50V	C504	403 215 2201	CERAMIC 0.01U K 50V
C3867	403 283 6309	CERAMIC 1U Z 10V	C505	403 164 0204	CERAMIC 0.1U Z 25V
C3871	403 283 6309	CERAMIC 1U Z 10V	C506	403 162 4709	ELECT 10U M 16V
C3881	403 162 6208	ELECT 1U M 50V	C507	403 149 9208	CERAMIC 0.01U Z 50V
C3882	403 162 6208	ELECT 1U M 50V	C508	403 149 9208	CERAMIC 0.01U Z 50V
C3883	403 162 6208	ELECT 1U M 50V	C509	403 280 1604	ELECT 220U M 16V
C3884	403 162 6208	ELECT 1U M 50V	C510	403 280 0805	ELECT 330U M 6.3V
C401	403 164 0204	CERAMIC 0.1U Z 25V	C5101	403 139 7306	CERAMIC 18P J 50V
C402	403 149 9208	CERAMIC 0.01U Z 50V	C5102	403 139 7306	CERAMIC 18P J 50V
C403	403 149 9208	CERAMIC 0.01U Z 50V	C5104	403 275 3002	CERAMIC 0.047U K 16V
C404	403 149 9208	CERAMIC 0.01U Z 50V	C5106	403 275 3002	CERAMIC 0.047U K 16V
C405	403 322 7809	ELECT 220U M 6.3V	C5107	403 275 3002	CERAMIC 0.047U K 16V
C406	403 164 0204	CERAMIC 0.1U Z 25V	C5108	403 275 3002	CERAMIC 0.047U K 16V
C407	403 322 7809	ELECT 220U M 6.3V	C5109	403 275 3002	CERAMIC 0.047U K 16V
C408	403 164 0204	CERAMIC 0.1U Z 25V	C511	403 164 0204	CERAMIC 0.1U Z 25V
C409	403 164 0204	CERAMIC 0.1U Z 25V	C5111	403 229 3508	ELECT 100U M 16V
C411	403 149 9208	CERAMIC 0.01U Z 50V	C5112	403 164 0204	CERAMIC 0.1U Z 25V
C412	403 149 9208	CERAMIC 0.01U Z 50V	C5113	403 229 3508	ELECT 100U M 16V
C413	403 149 9208	CERAMIC 0.01U Z 50V	C5114	403 164 0204	CERAMIC 0.1U Z 25V
C414	403 149 9208	CERAMIC 0.01U Z 50V	C5116	403 164 0204	CERAMIC 0.1U Z 25V
C415	403 149 9208	CERAMIC 0.01U Z 50V	C5117	403 164 0204	CERAMIC 0.1U Z 25V
C416	403 149 9208	CERAMIC 0.01U Z 50V	C5118	403 164 0204	CERAMIC 0.1U Z 25V
C417	403 164 0204	CERAMIC 0.1U Z 25V	C5119	403 164 0204	CERAMIC 0.1U Z 25V
C431	403 229 3508	ELECT 100U M 16V	C5121	403 164 0204	CERAMIC 0.1U Z 25V
C432	403 149 9208	CERAMIC 0.01U Z 50V	C5122	403 164 0204	CERAMIC 0.1U Z 25V
C433	403 164 0204	CERAMIC 0.1U Z 25V	C514	403 175 4109	ELECT 22U M 16V
C434	403 175 4505	ELECT 47U M 6.3V	C515	403 164 0204	CERAMIC 0.1U Z 25V
C435	403 298 9609	CERAMIC 0.1U K 16V	C5201	403 164 0204	CERAMIC 0.1U Z 25V
	403 325 3303	CERAMIC 0.1U K 16V	C5202	403 322 7809	ELECT 220U M 6.3V
C436	403 298 9609	CERAMIC 0.1U K 16V	C5211	403 157 1904	CERAMIC 10P D 50V
	403 325 3303	CERAMIC 0.1U K 16V	C5212	403 283 6309	CERAMIC 1U Z 10V
C437	403 298 9609	CERAMIC 0.1U K 16V		403 336 5600	CERAMIC 1U Z 10V
	403 325 3303	CERAMIC 0.1U K 16V	C5213	403 149 9208	CERAMIC 0.01U Z 50V
C450	403 229 3508	ELECT 100U M 16V	C5214	403 283 6309	CERAMIC 1U Z 10V
C451	403 229 3508	ELECT 100U M 16V	C5216	403 149 9208	CERAMIC 0.01U Z 50V
C452	403 322 7809	ELECT 220U M 6.3V	C5217	403 283 6309	CERAMIC 1U Z 10V
C453	403 283 6309	CERAMIC 1U Z 10V		403 336 5600	CERAMIC 1U Z 10V
	403 336 5600	CERAMIC 1U Z 10V	C5218	403 162 4006	ELECT 22U M 6.3V
C454	403 164 0204	CERAMIC 0.1U Z 25V	C522	403 113 3805	CERAMIC 1000P K 50V
C456	403 164 0204	CERAMIC 0.1U Z 25V	C5221	403 157 1904	CERAMIC 10P D 50V
C470	403 322 7809	ELECT 220U M 6.3V	C523	403 215 0900	CERAMIC 390P J 50V
C471	403 322 7809	ELECT 220U M 6.3V	C5231	403 157 1904	CERAMIC 10P D 50V
C472	403 164 0204	CERAMIC 0.1U Z 25V	C5251	403 164 0204	CERAMIC 0.1U Z 25V
C473	403 162 4709	ELECT 10U M 16V	C5252	403 322 7809	ELECT 220U M 6.3V
C474	403 164 0204	CERAMIC 0.1U Z 25V	C5253	403 157 1904	CERAMIC 10P D 50V
C475	403 283 6309	CERAMIC 1U Z 10V	C5255	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
	403 336 5600	CERAMIC 1U Z 10V	C5257	403 322 7809	ELECT 220U M 6.3V
C476	403 341 3905	POS-SOLID 100U M 6.3V	C5258	403 164 0204	CERAMIC 0.1U Z 25V
C478	403 164 0204	CERAMIC 0.1U Z 25V	C5259	403 215 2904	CERAMIC 0.022U K 25V
C483	403 164 0204	CERAMIC 0.1U Z 25V	C5263	403 157 1904	CERAMIC 10P D 50V
C484	403 164 0204	CERAMIC 0.1U Z 25V	C5265	401 105 7909	MT-GLAZE 0.000 ZA 1/16W

Electrical Parts List

Ref. No.	Part No.	Description
C5269	403 215 2904	CERAMIC 0.022U K 25V
C5273	403 157 1904	CERAMIC 10P D 50V
C5275	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
C5279	403 215 2904	CERAMIC 0.022U K 25V
C5281	403 149 9208	CERAMIC 0.01U Z 50V
C5282	403 149 9208	CERAMIC 0.01U Z 50V
C5283	403 164 0204	CERAMIC 0.1U Z 25V
C5284	403 164 0204	CERAMIC 0.1U Z 25V
C5287	403 157 4202	CERAMIC 220P J 50V
C5288	403 162 4006	ELECT 22U M 6.3V
C5289	403 322 7809	ELECT 220U M 6.3V
C530	403 164 0204	CERAMIC 0.1U Z 25V
C531	403 157 2505	CERAMIC 27P J 50V
C532	403 164 0204	CERAMIC 0.1U Z 25V
C533	403 215 2201	CERAMIC 0.01U K 50V
C534	403 162 4709	ELECT 10U M 16V
C535	403 164 0204	CERAMIC 0.1U Z 25V
C536	403 149 9208	CERAMIC 0.01U Z 50V
C537	403 149 9208	CERAMIC 0.01U Z 50V
C538	403 280 1604	ELECT 220U M 16V
C539	403 164 0204	CERAMIC 0.1U Z 25V
C540	403 280 0805	ELECT 330U M 6.3V
C543	403 175 4109	ELECT 22U M 16V
C544	403 164 0204	CERAMIC 0.1U Z 25V
C552	403 113 3805	CERAMIC 1000P K 50V
C553	403 215 0900	CERAMIC 390P J 50V
C560	403 280 0805	ELECT 330U M 6.3V
C562	403 164 0204	CERAMIC 0.1U Z 25V
C563	403 164 0204	CERAMIC 0.1U Z 25V
C564	403 215 2201	CERAMIC 0.01U K 50V
C565	403 164 0204	CERAMIC 0.1U Z 25V
C566	403 162 4709	ELECT 10U M 16V
C567	403 149 9208	CERAMIC 0.01U Z 50V
C568	403 149 9208	CERAMIC 0.01U Z 50V
C569	403 280 1604	ELECT 220U M 16V
C571	403 164 0204	CERAMIC 0.1U Z 25V
C574	403 175 4109	ELECT 22U M 16V
C575	403 164 0204	CERAMIC 0.1U Z 25V
C583	403 113 3805	CERAMIC 1000P K 50V
C584	403 215 0900	CERAMIC 390P J 50V
C6101	403 283 6309	CERAMIC 1U Z 10V
C6102	403 164 0204	CERAMIC 0.1U Z 25V
C6103	403 164 0204	CERAMIC 0.1U Z 25V
C6104	403 164 0204	CERAMIC 0.1U Z 25V
C6105	403 229 3508	ELECT 100U M 16V
C6106	403 164 0204	CERAMIC 0.1U Z 25V
C6112	403 164 0204	CERAMIC 0.1U Z 25V
C6113	403 164 0204	CERAMIC 0.1U Z 25V
C6114	403 164 0204	CERAMIC 0.1U Z 25V
C6116	403 164 0204	CERAMIC 0.1U Z 25V
C6117	403 164 0204	CERAMIC 0.1U Z 25V
C6601	403 164 0204	CERAMIC 0.1U Z 25V
C6611	403 229 3508	ELECT 100U M 16V
C6612	403 229 3508	ELECT 100U M 16V
C6613	403 229 3508	ELECT 100U M 16V
C6901	403 229 3508	ELECT 100U M 16V
C6902	403 164 0204	CERAMIC 0.1U Z 25V
C6903	403 164 0204	CERAMIC 0.1U Z 25V
C6904	403 164 0204	CERAMIC 0.1U Z 25V
C6906	403 164 0204	CERAMIC 0.1U Z 25V
C6907	403 164 0204	CERAMIC 0.1U Z 25V
C6908	403 164 0204	CERAMIC 0.1U Z 25V
C6909	403 164 0204	CERAMIC 0.1U Z 25V
C6911	403 164 0204	CERAMIC 0.1U Z 25V
C6912	403 164 0204	CERAMIC 0.1U Z 25V
C6913	403 164 0204	CERAMIC 0.1U Z 25V
C7221	403 157 3809	CERAMIC 120P J 50V

Ref. No.	Part No.	Description
C7222	403 149 9208	CERAMIC 0.01U Z 50V
C7225	403 157 3809	CERAMIC 120P J 50V
C7241	403 157 1904	CERAMIC 10P D 50V
C7242TM	403 316 5408	CERAMIC 1U K 10V
C7251	403 157 1904	CERAMIC 10P D 50V
C7261	403 157 1904	CERAMIC 10P D 50V
C7271	403 164 0204	CERAMIC 0.1U Z 25V
C7272	403 322 7809	ELECT 220U M 6.3V
C7273	403 322 7809	ELECT 220U M 6.3V
C7274	403 164 0204	CERAMIC 0.1U Z 25V
C806	403 322 7809	ELECT 220U M 6.3V
C807	403 164 0204	CERAMIC 0.1U Z 25V
C811	403 175 3300	ELECT 47U M 16V
C812	403 164 0204	CERAMIC 0.1U Z 25V
C851	403 164 0204	CERAMIC 0.1U Z 25V
C861	403 164 0204	CERAMIC 0.1U Z 25V
RESISTOR		
RB1801	645 020 7822	R-NETWORK 10KX4 0.063W
	645 025 5380	R-NETWORK 10KX4 1/16W
RB1802	645 020 7822	R-NETWORK 10KX4 0.063W
	645 025 5380	R-NETWORK 10KX4 1/16W
RB301	645 037 3107	R-NETWORK 10X4 0.063W
	645 028 5981	R-NETWORK 10X4 1/16W
RB302	645 037 3107	R-NETWORK 10X4 0.063W
	645 028 5981	R-NETWORK 10X4 1/16W
RB303	645 037 3107	R-NETWORK 10X4 0.063W
	645 028 5981	R-NETWORK 10X4 1/16W
RB304	645 037 3107	R-NETWORK 10X4 0.063W
	645 028 5981	R-NETWORK 10X4 1/16W
RB306	645 037 3107	R-NETWORK 10X4 0.063W
	645 028 5981	R-NETWORK 10X4 1/16W
RB307	645 037 3107	R-NETWORK 10X4 0.063W
	645 028 5981	R-NETWORK 10X4 1/16W
RB3841	645 020 7822	R-NETWORK 10KX4 0.063W
	645 025 5380	R-NETWORK 10KX4 1/16W
RB3861	645 020 7822	R-NETWORK 10KX4 0.063W
	645 025 5380	R-NETWORK 10KX4 1/16W
RB501	645 024 7477	R-NETWORK 0X4 1/16W
	645 027 1519	R-NETWORK 0X4 1/16W
RB502	645 024 7477	R-NETWORK 0X4 1/16W
	645 027 1519	R-NETWORK 0X4 1/16W
RB503	645 024 7477	R-NETWORK 0X4 1/16W
	645 027 1519	R-NETWORK 0X4 1/16W
RB5101	645 037 0670	R-NETWORK 47X4 0.063W
	645 018 8930	R-NETWORK 47X4 1/16W
RB5102	645 037 0670	R-NETWORK 47X4 0.063W
	645 018 8930	R-NETWORK 47X4 1/16W
RB5103	645 037 0670	R-NETWORK 47X4 0.063W
	645 018 8930	R-NETWORK 47X4 1/16W
RB5104	645 037 0670	R-NETWORK 47X4 0.063W
	645 018 8930	R-NETWORK 47X4 1/16W
RB531	645 024 7477	R-NETWORK 0X4 1/16W
	645 027 1519	R-NETWORK 0X4 1/16W
RB532	645 024 7477	R-NETWORK 0X4 1/16W
	645 027 1519	R-NETWORK 0X4 1/16W
RB533	645 024 7477	R-NETWORK 0X4 1/16W
	645 027 1519	R-NETWORK 0X4 1/16W
RB561	645 024 7477	R-NETWORK 0X4 1/16W
	645 027 1519	R-NETWORK 0X4 1/16W
RB562	645 024 7477	R-NETWORK 0X4 1/16W
	645 027 1519	R-NETWORK 0X4 1/16W
RB563	645 024 7477	R-NETWORK 0X4 1/16W
	645 027 1519	R-NETWORK 0X4 1/16W
RB6101	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6102	645 021 0358	R-NETWORK 100X4 0.063W

Electrical Parts List

Ref. No.	Part No.	Description
	645 031 3325	R-NETWORK 100X4 1/16W
RB6103	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6104	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6106	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6107	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6108	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6109	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6111	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6112	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6113	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6114	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6116	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6117	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6118	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6119	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6121	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6122	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6123	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6124	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6126	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6127	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6128	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6129	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB851	645 020 7822	R-NETWORK 10KX4 0.063W
	645 025 5380	R-NETWORK 10KX4 1/16W
RB852	645 020 7822	R-NETWORK 10KX4 0.063W
	645 025 5380	R-NETWORK 10KX4 1/16W
RQ5223TM	401 026 3905	CARBON 330 JA 1/6W
R1401	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1402	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R1403	401 105 0504	MT-GLAZE 1K JA 1/16W
R1404	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1406	401 158 4108	MT-GLAZE 4.7 JA 1/16W
R1408	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1409	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R1412	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1451	401 105 0504	MT-GLAZE 1K JA 1/16W
R1452	401 105 5905	MT-GLAZE 560 JA 1/16W
R1453	401 148 6006	MT-GLAZE 2.2 JA 1/16W
R1500	401 105 0405	MT-GLAZE 100 JA 1/16W
R1501	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1502	401 105 7206	MT-GLAZE 82 JA 1/16W
R1503	401 105 7206	MT-GLAZE 82 JA 1/16W
R1504	401 105 0900	MT-GLAZE 120 JA 1/16W
R1505	401 105 0900	MT-GLAZE 120 JA 1/16W
R1506	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1507	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1509	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1510	401 105 5905	MT-GLAZE 560 JA 1/16W
R1511	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1512	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1514	401 105 0603	MT-GLAZE 10K JA 1/16W
R1516	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1517	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1518	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1519	401 105 0603	MT-GLAZE 10K JA 1/16W
R1521	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1522	401 105 0603	MT-GLAZE 10K JA 1/16W
R1523	401 105 0603	MT-GLAZE 10K JA 1/16W
R1524	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1525	401 105 0603	MT-GLAZE 10K JA 1/16W
R1526	401 105 0603	MT-GLAZE 10K JA 1/16W
R1527	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1529	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1530	401 105 0405	MT-GLAZE 100 JA 1/16W
R1531	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1532	401 105 7206	MT-GLAZE 82 JA 1/16W
R1533	401 105 7206	MT-GLAZE 82 JA 1/16W
R1534	401 105 0900	MT-GLAZE 120 JA 1/16W
R1536	401 105 0900	MT-GLAZE 120 JA 1/16W
R1537	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1538	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1540	401 105 5905	MT-GLAZE 560 JA 1/16W
R1541	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1542	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1543	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1545	401 105 0504	MT-GLAZE 1K JA 1/16W
R1547	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1548	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1549	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1551	401 105 0603	MT-GLAZE 10K JA 1/16W
R1552	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1553	401 105 0603	MT-GLAZE 10K JA 1/16W
R1554	401 105 0603	MT-GLAZE 10K JA 1/16W
R1555	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1556	401 105 0603	MT-GLAZE 10K JA 1/16W
R1557	401 105 0603	MT-GLAZE 10K JA 1/16W
R1558	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1559	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1560	401 105 0405	MT-GLAZE 100 JA 1/16W
R1561	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1562	401 105 7206	MT-GLAZE 82 JA 1/16W
R1563	401 105 7206	MT-GLAZE 82 JA 1/16W
R1564	401 105 0900	MT-GLAZE 120 JA 1/16W
R1565	401 105 0900	MT-GLAZE 120 JA 1/16W
R1566	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1567	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1569	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1570	401 105 5905	MT-GLAZE 560 JA 1/16W
R1571	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1572	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1574	401 105 0504	MT-GLAZE 1K JA 1/16W
R1576	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1577	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1578	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1579	401 105 0603	MT-GLAZE 10K JA 1/16W
R1581	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1582	401 105 0603	MT-GLAZE 10K JA 1/16W
R1583	401 105 0603	MT-GLAZE 10K JA 1/16W
R1584	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1585	401 105 0603	MT-GLAZE 10K JA 1/16W
R1586	401 105 0603	MT-GLAZE 10K JA 1/16W

Electrical Parts List

Ref. No.	Part No.	Description
R1587	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1590	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1591	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1593	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R1594	401 105 0603	MT-GLAZE 10K JA 1/16W
R1801	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R1802	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R1803	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1807	401 105 0603	MT-GLAZE 10K JA 1/16W
R1808	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1809	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1810	401 105 7305	MT-GLAZE 820 JA 1/16W
R1811	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1815	401 105 7305	MT-GLAZE 820 JA 1/16W
R1823	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R1826	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R1828	401 105 8203	MT-GLAZE 68K JA 1/16W
R1833	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1836	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1839	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1841	401 105 0603	MT-GLAZE 10K JA 1/16W
R1842	401 105 0603	MT-GLAZE 10K JA 1/16W
R1843	401 105 0603	MT-GLAZE 10K JA 1/16W
R1844	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1848	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1851	401 105 0603	MT-GLAZE 10K JA 1/16W
R1852	401 105 1105	MT-GLAZE 12K JA 1/16W
R1853	401 105 0405	MT-GLAZE 100 JA 1/16W
R1854	401 105 2508	MT-GLAZE 20K JA 1/16W
R1856	401 105 0306	MT-GLAZE 10 JA 1/16W
R1857	401 105 0306	MT-GLAZE 10 JA 1/16W
R1858	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1862	401 105 0603	MT-GLAZE 10K JA 1/16W
R1864	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1868	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R1884	401 105 0603	MT-GLAZE 10K JA 1/16W
R1901	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1902	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1903	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1905	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1908	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1911	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1912	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1913	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1921	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1922	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1923	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1931	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1932	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1933	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1935	401 105 5103	MT-GLAZE 47 JA 1/16W
R1943	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1945	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1946	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1947	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1949	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1952	401 105 0603	MT-GLAZE 10K JA 1/16W
R1953	401 105 0603	MT-GLAZE 10K JA 1/16W
R1955	401 105 0405	MT-GLAZE 100 JA 1/16W
R1957	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1960	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R1962	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1963	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1965	401 105 0603	MT-GLAZE 10K JA 1/16W
R1966	401 105 0603	MT-GLAZE 10K JA 1/16W
R1969	401 105 0603	MT-GLAZE 10K JA 1/16W
⚠ R1971	402 079 7704	FUSIBLE RES 1.0 JH 1/4W
⚠ R1972	402 079 7704	FUSIBLE RES 1.0 JH 1/4W
⚠ R1973	402 080 7007	FUSIBLE RES 1.8 JH 1/4W
⚠ R1974	402 080 7007	FUSIBLE RES 1.8 JH 1/4W
⚠ R1975	402 079 7704	FUSIBLE RES 1.0 JH 1/4W
R1992	401 105 0306	MT-GLAZE 10 JA 1/16W
R1994	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1995	401 105 5103	MT-GLAZE 47 JA 1/16W
R1996	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R218	401 105 0405	MT-GLAZE 100 JA 1/16W
R2201	401 234 8600	MT-GLAZE 8.2K FA 1/16W
R2202	401 105 0603	MT-GLAZE 10K JA 1/16W
R2203	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R2207TM	401 026 9303	CARBON 47 JA 1/6W
R2212	401 105 0504	MT-GLAZE 1K JA 1/16W
R2213	401 105 4502	MT-GLAZE 390 JA 1/16W
R2222	401 105 0504	MT-GLAZE 1K JA 1/16W
R2223	401 105 4502	MT-GLAZE 390 JA 1/16W
R2232	401 105 0504	MT-GLAZE 1K JA 1/16W
R2233	401 105 4502	MT-GLAZE 390 JA 1/16W
R2236	401 113 4402	MT-GLAZE 75 JA 1/16W
R2237	401 113 4402	MT-GLAZE 75 JA 1/16W
R2238	401 113 4402	MT-GLAZE 75 JA 1/16W
R241	401 105 0405	MT-GLAZE 100 JA 1/16W
R242	401 105 0405	MT-GLAZE 100 JA 1/16W
R244	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R245	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R246	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R248	401 105 0603	MT-GLAZE 10K JA 1/16W
R249	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R255	401 105 0405	MT-GLAZE 100 JA 1/16W
R256	401 105 0405	MT-GLAZE 100 JA 1/16W
R258	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2603	401 102 7605	MT-GLAZE 27 JA 1W
R2604	401 102 7605	MT-GLAZE 27 JA 1W
R2606	401 102 7605	MT-GLAZE 27 JA 1W
R2607	401 102 7605	MT-GLAZE 27 JA 1W
R2608	401 102 7605	MT-GLAZE 27 JA 1W
R2609	401 102 7605	MT-GLAZE 27 JA 1W
R2611	401 105 0405	MT-GLAZE 100 JA 1/16W
R2612	401 198 7701	MT-GLAZE 33 JA 1W
R2613	401 198 7701	MT-GLAZE 33 JA 1W
R2616	401 198 7701	MT-GLAZE 33 JA 1W
R2617	401 198 7701	MT-GLAZE 33 JA 1W
R2618	401 198 7701	MT-GLAZE 33 JA 1W
R2619	401 198 7701	MT-GLAZE 33 JA 1W
R2621	401 198 7909	MT-GLAZE 47 JA 1W
R2623	401 234 8105	MT-GLAZE 4.7 JA 1W
R2624	401 234 8105	MT-GLAZE 4.7 JA 1W
R2626	401 234 8105	MT-GLAZE 4.7 JA 1W
R2627	401 234 8105	MT-GLAZE 4.7 JA 1W
R2633	401 198 7909	MT-GLAZE 47 JA 1W
R2851	401 105 4502	MT-GLAZE 390 JA 1/16W
R2852	401 105 4502	MT-GLAZE 390 JA 1/16W
R2853	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R2855	401 105 0504	MT-GLAZE 1K JA 1/16W
R2857	401 105 0504	MT-GLAZE 1K JA 1/16W
R2859	401 105 0504	MT-GLAZE 1K JA 1/16W
R2861	401 105 4601	MT-GLAZE 3.9K JA 1/16W
R2862	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R2870	401 105 2904	MT-GLAZE 22K JA 1/16W
R2871	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2872	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2873	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2874	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2875	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2876	401 105 7909	MT-GLAZE 0.000 ZA 1/16W

Ref. No.	Part No.	Description
R2877	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2878	401 105 0405	MT-GLAZE 100 JA 1/16W
R2879	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2880	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2881	401 105 0603	MT-GLAZE 10K JA 1/16W
R2883	401 105 0603	MT-GLAZE 10K JA 1/16W
R2884	401 105 0405	MT-GLAZE 100 JA 1/16W
R2887	401 105 0504	MT-GLAZE 1K JA 1/16W
R2888	401 105 0603	MT-GLAZE 10K JA 1/16W
R2891	401 105 0504	MT-GLAZE 1K JA 1/16W
R2893	401 105 0603	MT-GLAZE 10K JA 1/16W
R2894	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2896	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2897	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R301	401 105 0603	MT-GLAZE 10K JA 1/16W
R302	401 105 0603	MT-GLAZE 10K JA 1/16W
R303	401 105 0405	MT-GLAZE 100 JA 1/16W
R304	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R305	401 105 0603	MT-GLAZE 10K JA 1/16W
R307	401 105 0306	MT-GLAZE 10 JA 1/16W
R308	401 105 5905	MT-GLAZE 560 JA 1/16W
R309	401 113 5904	MT-GLAZE 1.3K JA 1/16W
R311	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R314	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R316	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R317	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R318	401 105 5400	MT-GLAZE 47K JA 1/16W
R321	401 105 0504	MT-GLAZE 1K JA 1/16W
R327	401 105 0603	MT-GLAZE 10K JA 1/16W
R329	401 105 0603	MT-GLAZE 10K JA 1/16W
R3304	401 105 0603	MT-GLAZE 10K JA 1/16W
R3305	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3306	401 105 0603	MT-GLAZE 10K JA 1/16W
R3307	401 105 0306	MT-GLAZE 10 JA 1/16W
R3308	401 105 0306	MT-GLAZE 10 JA 1/16W
R3309	401 105 0306	MT-GLAZE 10 JA 1/16W
R3310	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3314	401 105 0306	MT-GLAZE 10 JA 1/16W
R3315	401 105 0603	MT-GLAZE 10K JA 1/16W
R3316	401 105 0306	MT-GLAZE 10 JA 1/16W
R3317	401 105 0306	MT-GLAZE 10 JA 1/16W
R3319	401 105 0306	MT-GLAZE 10 JA 1/16W
R332	401 105 0603	MT-GLAZE 10K JA 1/16W
R3321	401 105 0306	MT-GLAZE 10 JA 1/16W
R3322	401 105 0306	MT-GLAZE 10 JA 1/16W
R3323	401 105 0306	MT-GLAZE 10 JA 1/16W
R3326	401 105 0306	MT-GLAZE 10 JA 1/16W
R3327	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3328	401 105 0306	MT-GLAZE 10 JA 1/16W
R3329	401 105 0306	MT-GLAZE 10 JA 1/16W
R3331	401 105 0306	MT-GLAZE 10 JA 1/16W
R3333	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3334	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3336	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3337	401 105 0306	MT-GLAZE 10 JA 1/16W
R3339	401 105 0306	MT-GLAZE 10 JA 1/16W
R334	401 105 0603	MT-GLAZE 10K JA 1/16W
R3341	401 105 0603	MT-GLAZE 10K JA 1/16W
R3342	401 105 0306	MT-GLAZE 10 JA 1/16W
R3343	401 105 0306	MT-GLAZE 10 JA 1/16W
R3346	401 105 0306	MT-GLAZE 10 JA 1/16W
R3348	401 105 0306	MT-GLAZE 10 JA 1/16W
R3349	401 105 0603	MT-GLAZE 10K JA 1/16W
R3351	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3354	401 105 5103	MT-GLAZE 47 JA 1/16W
R336	401 105 0306	MT-GLAZE 10 JA 1/16W
R3360	401 105 5103	MT-GLAZE 47 JA 1/16W
R3361	401 105 0306	MT-GLAZE 10 JA 1/16W
R3362	401 105 0306	MT-GLAZE 10 JA 1/16W
R3363	401 105 0306	MT-GLAZE 10 JA 1/16W
R3364	401 105 0306	MT-GLAZE 10 JA 1/16W
R337	401 105 0306	MT-GLAZE 10 JA 1/16W
R3371	401 105 0306	MT-GLAZE 10 JA 1/16W
R3372	401 105 0306	MT-GLAZE 10 JA 1/16W
R3373	401 105 0306	MT-GLAZE 10 JA 1/16W
R3376	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R338	401 105 0306	MT-GLAZE 10 JA 1/16W
R3381	401 105 0306	MT-GLAZE 10 JA 1/16W
R3382	401 105 0306	MT-GLAZE 10 JA 1/16W
R3383	401 105 0306	MT-GLAZE 10 JA 1/16W
R3384	401 105 0306	MT-GLAZE 10 JA 1/16W
R3386	401 105 0306	MT-GLAZE 10 JA 1/16W
R3387	401 105 0306	MT-GLAZE 10 JA 1/16W
R3388	401 105 0306	MT-GLAZE 10 JA 1/16W
R3389	401 105 0306	MT-GLAZE 10 JA 1/16W
R339	401 105 0306	MT-GLAZE 10 JA 1/16W
R3390	401 105 0306	MT-GLAZE 10 JA 1/16W
R3391	401 105 0306	MT-GLAZE 10 JA 1/16W
R3392	401 105 0306	MT-GLAZE 10 JA 1/16W
R3393	401 105 0306	MT-GLAZE 10 JA 1/16W
R3394	401 105 0306	MT-GLAZE 10 JA 1/16W
R3396	401 105 0306	MT-GLAZE 10 JA 1/16W
R3399	401 105 0306	MT-GLAZE 10 JA 1/16W
R340	401 105 0603	MT-GLAZE 10K JA 1/16W
R3400	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R343	401 105 0603	MT-GLAZE 10K JA 1/16W
R346	401 105 0603	MT-GLAZE 10K JA 1/16W
R349	401 105 0603	MT-GLAZE 10K JA 1/16W
R350	401 105 0306	MT-GLAZE 10 JA 1/16W
R3506	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3507	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3508	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3509	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R351	401 105 0603	MT-GLAZE 10K JA 1/16W
R3516	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3517	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3518	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R353	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R354	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R356	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R359	401 105 0603	MT-GLAZE 10K JA 1/16W
R361	401 105 0405	MT-GLAZE 100 JA 1/16W
R367	401 105 0603	MT-GLAZE 10K JA 1/16W
R371	401 105 0306	MT-GLAZE 10 JA 1/16W
R373	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R3801	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3806	401 105 0405	MT-GLAZE 100 JA 1/16W
R3811	401 105 0603	MT-GLAZE 10K JA 1/16W
R3812	401 105 0603	MT-GLAZE 10K JA 1/16W
R3813	401 105 0603	MT-GLAZE 10K JA 1/16W
R3814	401 105 0603	MT-GLAZE 10K JA 1/16W
R3816	401 105 0603	MT-GLAZE 10K JA 1/16W
R3841	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3842	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3851	401 105 0603	MT-GLAZE 10K JA 1/16W
R3852	401 105 4205	MT-GLAZE 33K JA 1/16W
R3861	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3862	401 105 0603	MT-GLAZE 10K JA 1/16W
R3863	401 105 0603	MT-GLAZE 10K JA 1/16W
R3864	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3866	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3867	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3871	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3882	401 105 0405	MT-GLAZE 100 JA 1/16W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R3883	401 105 0603	MT-GLAZE 10K JA 1/16W	R5003	401 105 0702	MT-GLAZE 100K JA 1/16W
R3884	401 105 0405	MT-GLAZE 100 JA 1/16W	R5004	401 105 0702	MT-GLAZE 100K JA 1/16W
R3891	401 105 0405	MT-GLAZE 100 JA 1/16W	R5006	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R401	401 105 0504	MT-GLAZE 1K JA 1/16W	R5007	401 105 1105	MT-GLAZE 12K JA 1/16W
R402	401 105 0504	MT-GLAZE 1K JA 1/16W	R5008	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R403	401 217 3202	MT-GLAZE 51K FA 1/16W	R5009	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R404	401 212 1708	MT-GLAZE 24K FA 1/16W	R501	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R405	401 105 0504	MT-GLAZE 1K JA 1/16W	R5010	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R406	401 105 0504	MT-GLAZE 1K JA 1/16W	R5011	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R407	401 105 0504	MT-GLAZE 1K JA 1/16W	R5013	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R409	401 105 8203	MT-GLAZE 68K JA 1/16W	R5014	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R410	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5015	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R411	401 105 4700	MT-GLAZE 39K JA 1/16W	R5016	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R412	401 105 8104	MT-GLAZE 56K JA 1/16W	R5017	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R413	401 105 0603	MT-GLAZE 10K JA 1/16W	R5018	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R414	401 105 0603	MT-GLAZE 10K JA 1/16W	R502	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R415	401 105 0603	MT-GLAZE 10K JA 1/16W	R5021	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R419	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5022	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R420	401 105 0504	MT-GLAZE 1K JA 1/16W	R5023	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R421	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5024	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R422	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5026	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R423	401 105 0306	MT-GLAZE 10 JA 1/16W	R5027	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R424	401 105 0306	MT-GLAZE 10 JA 1/16W	R5028	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R430	401 105 0405	MT-GLAZE 100 JA 1/16W	R5029	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R431	401 105 0405	MT-GLAZE 100 JA 1/16W	R503	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R432	401 105 0405	MT-GLAZE 100 JA 1/16W	R5031	401 105 5202	MT-GLAZE 470 JA 1/16W
R433	401 105 3307	MT-GLAZE 2.7K JA 1/16W	R5036	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R434	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5037	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R435	401 105 7404	MT-GLAZE 8.2K JA 1/16W	R504	401 105 0504	MT-GLAZE 1K JA 1/16W
R436	401 105 7404	MT-GLAZE 8.2K JA 1/16W	R5041	401 105 0603	MT-GLAZE 10K JA 1/16W
R437	401 105 7404	MT-GLAZE 8.2K JA 1/16W	R5043	401 105 0603	MT-GLAZE 10K JA 1/16W
R438	401 105 6605	MT-GLAZE 6.8K JA 1/16W	R5044	401 105 0603	MT-GLAZE 10K JA 1/16W
R439	401 105 6605	MT-GLAZE 6.8K JA 1/16W	R5046	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R441	401 105 6605	MT-GLAZE 6.8K JA 1/16W	R5047	401 105 0603	MT-GLAZE 10K JA 1/16W
R442	401 105 1105	MT-GLAZE 12K JA 1/16W	R5048	401 105 2904	MT-GLAZE 22K JA 1/16W
R443	401 105 1105	MT-GLAZE 12K JA 1/16W	R505	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R444	401 105 1105	MT-GLAZE 12K JA 1/16W	R506	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R445	401 105 0603	MT-GLAZE 10K JA 1/16W	R507	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R446	401 105 0603	MT-GLAZE 10K JA 1/16W	R509	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R447	401 105 0603	MT-GLAZE 10K JA 1/16W	R510	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R451	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5103	401 105 1808	MT-GLAZE 18 JA 1/16W
R452	401 105 0603	MT-GLAZE 10K JA 1/16W	R5104	401 105 1808	MT-GLAZE 18 JA 1/16W
R453	401 105 0603	MT-GLAZE 10K JA 1/16W	R5106	401 105 1808	MT-GLAZE 18 JA 1/16W
R454	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R5107	401 105 5806	MT-GLAZE 56 JA 1/16W
R461	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5108	401 105 5806	MT-GLAZE 56 JA 1/16W
R463	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5109	401 105 5806	MT-GLAZE 56 JA 1/16W
R466	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R511	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R470	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5110	401 105 0306	MT-GLAZE 10 JA 1/16W
R471	401 105 0504	MT-GLAZE 1K JA 1/16W	R5113	401 105 0603	MT-GLAZE 10K JA 1/16W
R473	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5114	401 105 0603	MT-GLAZE 10K JA 1/16W
R474	401 105 0603	MT-GLAZE 10K JA 1/16W	R5115	401 105 0306	MT-GLAZE 10 JA 1/16W
R476	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R512	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R477	401 105 4502	MT-GLAZE 390 JA 1/16W	R513	401 105 0504	MT-GLAZE 1K JA 1/16W
R478	401 105 0504	MT-GLAZE 1K JA 1/16W	R5136	401 105 5103	MT-GLAZE 47 JA 1/16W
R479	401 105 0504	MT-GLAZE 1K JA 1/16W	R5137	401 105 5103	MT-GLAZE 47 JA 1/16W
R481	401 105 1501	MT-GLAZE 1.5K JA 1/16W	R5138	401 105 5103	MT-GLAZE 47 JA 1/16W
R482	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5139	401 105 5103	MT-GLAZE 47 JA 1/16W
R483	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5141	401 105 5103	MT-GLAZE 47 JA 1/16W
R484	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5144	401 105 5103	MT-GLAZE 47 JA 1/16W
R486	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R516	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R491	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R517	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R492	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R518	401 105 0306	MT-GLAZE 10 JA 1/16W
R493	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5181	401 113 4402	MT-GLAZE 75 JA 1/16W
R494	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R519	401 105 0504	MT-GLAZE 1K JA 1/16W
R500	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5191	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5001	401 105 0702	MT-GLAZE 100K JA 1/16W	R520	401 105 0603	MT-GLAZE 10K JA 1/16W
R5002	401 105 0702	MT-GLAZE 100K JA 1/16W	R5201	401 105 0504	MT-GLAZE 1K JA 1/16W

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R5202	401 105 0306	MT-GLAZE 10 JA 1/16W	R5289	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5203	401 105 0306	MT-GLAZE 10 JA 1/16W	R5291	401 113 4402	MT-GLAZE 75 JA 1/16W
R5204	401 105 0504	MT-GLAZE 1K JA 1/16W	R5292	401 113 4402	MT-GLAZE 75 JA 1/16W
R5206	401 105 0504	MT-GLAZE 1K JA 1/16W	R5294	401 113 4402	MT-GLAZE 75 JA 1/16W
R5207	401 105 0306	MT-GLAZE 10 JA 1/16W	R5296	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5208	401 105 0306	MT-GLAZE 10 JA 1/16W	R5298	401 105 0504	MT-GLAZE 1K JA 1/16W
R5209	401 105 0504	MT-GLAZE 1K JA 1/16W	R5299	401 262 8504	MT-GLAZE 62 FA 1/16W
R521	401 105 0504	MT-GLAZE 1K JA 1/16W	R530	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5211	401 262 8504	MT-GLAZE 62 FA 1/16W	R531	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5212	401 105 0405	MT-GLAZE 100 JA 1/16W	R532	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R5213	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R533	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R5214	401 105 0504	MT-GLAZE 1K JA 1/16W	R534	401 105 0504	MT-GLAZE 1K JA 1/16W
R5215	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R535	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5217	401 105 2805	MT-GLAZE 2.2K JA 1/16W	R536	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5218	401 105 2904	MT-GLAZE 22K JA 1/16W	R537	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5219	401 105 0603	MT-GLAZE 10K JA 1/16W	R538	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5221	401 262 8504	MT-GLAZE 62 FA 1/16W	R541	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5222	401 105 0405	MT-GLAZE 100 JA 1/16W	R542	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5223	401 105 0504	MT-GLAZE 1K JA 1/16W	R543	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5225	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R544	401 105 0504	MT-GLAZE 1K JA 1/16W
R5227	401 262 8504	MT-GLAZE 62 FA 1/16W	R547	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5228	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R548	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R523	401 105 1105	MT-GLAZE 12K JA 1/16W	R549	401 105 0306	MT-GLAZE 10 JA 1/16W
R5231	401 262 8504	MT-GLAZE 62 FA 1/16W	R551	401 105 0504	MT-GLAZE 1K JA 1/16W
R5232	401 105 0405	MT-GLAZE 100 JA 1/16W	R552	401 105 0504	MT-GLAZE 1K JA 1/16W
R5233	401 105 0504	MT-GLAZE 1K JA 1/16W	R553	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5235	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R554	401 105 1105	MT-GLAZE 12K JA 1/16W
R524	401 105 0603	MT-GLAZE 10K JA 1/16W	R555	401 105 0603	MT-GLAZE 10K JA 1/16W
R5245	401 105 6506	MT-GLAZE 680 JA 1/16W	R557	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5247	401 105 6506	MT-GLAZE 680 JA 1/16W	R559	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5249	401 105 6506	MT-GLAZE 680 JA 1/16W	R560	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5251	645 033 1725	INDUCTOR,80 OHM	R561	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5252	401 113 4907	MT-GLAZE 200 JA 1/16W	R562	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R5253	401 105 0900	MT-GLAZE 120 JA 1/16W	R563	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R5255	401 105 4502	MT-GLAZE 390 JA 1/16W	R564	401 105 0504	MT-GLAZE 1K JA 1/16W
R5256	401 105 0504	MT-GLAZE 1K JA 1/16W	R565	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5257	401 105 4601	MT-GLAZE 3.9K JA 1/16W	R566	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5259	401 105 3901	MT-GLAZE 33 JA 1/16W	R567	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5259R	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R568	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R526	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R571	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5261	645 033 1725	INDUCTOR,80 OHM	R572	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5262	401 113 4907	MT-GLAZE 200 JA 1/16W	R573	401 105 0504	MT-GLAZE 1K JA 1/16W
R5263	401 105 0900	MT-GLAZE 120 JA 1/16W	R575	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5265	401 105 4502	MT-GLAZE 390 JA 1/16W	R577	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5266	401 105 0504	MT-GLAZE 1K JA 1/16W	R578	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5267	401 105 4601	MT-GLAZE 3.9K JA 1/16W	R579	401 105 0306	MT-GLAZE 10 JA 1/16W
R5269	401 105 3901	MT-GLAZE 33 JA 1/16W	R580	401 105 0603	MT-GLAZE 10K JA 1/16W
R5269G	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R581	401 105 0504	MT-GLAZE 1K JA 1/16W
R5270	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R582	401 105 0504	MT-GLAZE 1K JA 1/16W
R5271	645 033 1725	INDUCTOR,80 OHM	R584	401 105 1105	MT-GLAZE 12K JA 1/16W
R5272	401 113 4907	MT-GLAZE 200 JA 1/16W	R585	401 105 0603	MT-GLAZE 10K JA 1/16W
R5273	401 105 0900	MT-GLAZE 120 JA 1/16W	R587	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5275	401 105 4502	MT-GLAZE 390 JA 1/16W	R589	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5276	401 105 0504	MT-GLAZE 1K JA 1/16W	R590	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5277	401 105 4601	MT-GLAZE 3.9K JA 1/16W	R592	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R5279	401 105 3901	MT-GLAZE 33 JA 1/16W	R593	401 105 0504	MT-GLAZE 1K JA 1/16W
R5279B	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R594	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R528	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R595	401 105 0504	MT-GLAZE 1K JA 1/16W
R5280	401 105 0306	MT-GLAZE 10 JA 1/16W	R6101	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5281	401 113 4402	MT-GLAZE 75 JA 1/16W	R6103	401 105 5202	MT-GLAZE 470 JA 1/16W
R5282	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6104	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5283V	401 105 0504	MT-GLAZE 1K JA 1/16W	R6106	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5283Y	401 105 0504	MT-GLAZE 1K JA 1/16W	R6109	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5284	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6111	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5285	401 105 0900	MT-GLAZE 120 JA 1/16W	R6113	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5286	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6118	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5287	401 105 0504	MT-GLAZE 1K JA 1/16W	R6120	401 105 7909	MT-GLAZE 0.000 ZA 1/16W

Ref. No.	Part No.	Description
R6122	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6123	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6126	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6128	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6131	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6135	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6136	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6137	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6139	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6142	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6143	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6146	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6149	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6150	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6152	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6156	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6157	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6158	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6163	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6165	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6167	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6201	401 113 4402	MT-GLAZE 75 JA 1/16W
R6202	401 113 4402	MT-GLAZE 75 JA 1/16W
R6203	401 113 4402	MT-GLAZE 75 JA 1/16W
R6204	401 113 4402	MT-GLAZE 75 JA 1/16W
R6206	401 113 4402	MT-GLAZE 75 JA 1/16W
R6207	401 113 4402	MT-GLAZE 75 JA 1/16W
R6208	401 113 4402	MT-GLAZE 75 JA 1/16W
R6209	401 113 4402	MT-GLAZE 75 JA 1/16W
R6211	401 113 4402	MT-GLAZE 75 JA 1/16W
R6212	401 113 4402	MT-GLAZE 75 JA 1/16W
R6213	401 113 4402	MT-GLAZE 75 JA 1/16W
R6214	401 113 4402	MT-GLAZE 75 JA 1/16W
R6221	401 113 4402	MT-GLAZE 75 JA 1/16W
R6223	401 113 4402	MT-GLAZE 75 JA 1/16W
R6226	401 113 4402	MT-GLAZE 75 JA 1/16W
R6228	401 113 4402	MT-GLAZE 75 JA 1/16W
R6231	401 113 4402	MT-GLAZE 75 JA 1/16W
R6232	401 105 0603	MT-GLAZE 10K JA 1/16W
R6233	401 113 4402	MT-GLAZE 75 JA 1/16W
R6236	401 113 4402	MT-GLAZE 75 JA 1/16W
R6237	401 105 0603	MT-GLAZE 10K JA 1/16W
R6238	401 113 4402	MT-GLAZE 75 JA 1/16W
R6600	401 113 5508	MT-GLAZE 620 JA 1/16W
R6602	401 105 0504	MT-GLAZE 1K JA 1/16W
R6603	401 105 0306	MT-GLAZE 10 JA 1/16W
R6604	401 105 0504	MT-GLAZE 1K JA 1/16W
R6605	401 105 0504	MT-GLAZE 1K JA 1/16W
R6606	401 105 0603	MT-GLAZE 10K JA 1/16W
R6607	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6611	401 105 0603	MT-GLAZE 10K JA 1/16W
R6612	401 105 0603	MT-GLAZE 10K JA 1/16W
R6613	401 105 0306	MT-GLAZE 10 JA 1/16W
R6615	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6617	401 105 0603	MT-GLAZE 10K JA 1/16W
R6621	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R6622	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6650	401 105 1006	MT-GLAZE 1.2K JA 1/16W
R6655	401 105 0603	MT-GLAZE 10K JA 1/16W
R6656	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6658	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6902	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6904	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6906	401 105 0504	MT-GLAZE 1K JA 1/16W
R6907	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6909	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6911	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6913	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6914	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6918	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6919	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6921	401 105 0504	MT-GLAZE 1K JA 1/16W
R6923	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6924	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6926	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6927	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6928	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6929	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6932	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6933	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6936	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6942	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6943	401 105 1808	MT-GLAZE 18 JA 1/16W
R6944	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6946	401 105 0504	MT-GLAZE 1K JA 1/16W
R6947	401 105 0504	MT-GLAZE 1K JA 1/16W
R6949	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6951	401 105 0603	MT-GLAZE 10K JA 1/16W
R6954	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6957	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6959	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6961	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6963	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6966	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6968	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6972	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6973	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6976	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6979	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6981	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6983	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6984	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6987	401 105 5806	MT-GLAZE 56 JA 1/16W
R7221	401 105 0405	MT-GLAZE 100 JA 1/16W
R7222	401 105 0603	MT-GLAZE 10K JA 1/16W
R7224	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R7228	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R7241	401 230 2503	MT-GLAZE 1K FA 1/16W
R7242	401 235 4403	MT-GLAZE 560 FA 1/16W
R7243	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R7244	401 218 4505	MT-GLAZE 2.2K FA 1/16W
R7246	401 105 1907	MT-GLAZE 180 JA 1/16W
R7247	401 218 4406	MT-GLAZE 1.2K FA 1/16W
R7248TM	401 027 5502	CARBON 6.8K JA 1/6W
R7251	401 230 2503	MT-GLAZE 1K FA 1/16W
R7252	401 262 8306	MT-GLAZE 470 FA 1/16W
R7253	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R7254	401 218 4505	MT-GLAZE 2.2K FA 1/16W
R7256	401 218 4406	MT-GLAZE 1.2K FA 1/16W
R7257	401 286 3400	MT-GLAZE 10 FA 1/16W
R7258TM	401 027 8602	CARBON 8.2K JA 1/6W
R7260	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R7261	401 260 4706	MT-GLAZE 1.5K FA 1/16W
R7262	401 217 3905	MT-GLAZE 3.3K FA 1/16W
R7263	401 219 1107	MT-GLAZE 1.8K FA 1/16W
R7264	401 218 4505	MT-GLAZE 2.2K FA 1/16W
R7265	401 190 2209	MT-GLAZE 220 FA 1/16W
R7266	401 203 9805	MT-GLAZE 2.7K FA 1/16W
R7267	401 262 8306	MT-GLAZE 470 FA 1/16W
R7268	401 218 4604	MT-GLAZE 5.6K FA 1/16W
R7269	401 218 4505	MT-GLAZE 2.2K FA 1/16W
R7281	401 105 2607	MT-GLAZE 22 JA 1/16W
R7283	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R7286	401 105 0504	MT-GLAZE 1K JA 1/16W

Ref. No.	Part No.	Description
R7288	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R802	401 105 0603	MT-GLAZE 10K JA 1/16W
R803	401 105 0603	MT-GLAZE 10K JA 1/16W
R806	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R807	401 105 0603	MT-GLAZE 10K JA 1/16W
R808	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R809	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R820	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R823	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R824	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R825	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R826	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R827	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R851	401 105 0603	MT-GLAZE 10K JA 1/16W
R852	401 105 0603	MT-GLAZE 10K JA 1/16W
R853	401 105 0405	MT-GLAZE 100 JA 1/16W
R854	401 105 0405	MT-GLAZE 100 JA 1/16W
R856	401 105 0405	MT-GLAZE 100 JA 1/16W
R857	401 105 0405	MT-GLAZE 100 JA 1/16W
R859	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R861	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R862	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R863	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R864	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R865	401 105 0405	MT-GLAZE 100 JA 1/16W
R866	401 105 0405	MT-GLAZE 100 JA 1/16W
R867	401 105 0405	MT-GLAZE 100 JA 1/16W
R868	401 105 0405	MT-GLAZE 100 JA 1/16W
R869	401 105 0405	MT-GLAZE 100 JA 1/16W
R871	401 105 0306	MT-GLAZE 10 JA 1/16W
R872	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R873	401 105 6506	MT-GLAZE 680 JA 1/16W
R874	401 105 4007	MT-GLAZE 330 JA 1/16W

VARIABLE RESISTOR

Ref. No.	Part No.	Description
VR401	645 025 7421	VR,SEMI,10K S
VR402	645 025 7421	VR,SEMI,10K S
VR502	645 025 7421	VR,SEMI,10K S
VR503	645 025 7421	VR,SEMI,10K S
VR532	645 025 7421	VR,SEMI,10K S
VR533	645 025 7421	VR,SEMI,10K S
VR562	645 025 7421	VR,SEMI,10K S
VR563	645 025 7421	VR,SEMI,10K S
VR6601	645 025 7414	VR,SEMI,1K S

COIL

Ref. No.	Part No.	Description
L1401	645 020 1776	INDUCTOR,3.3U M
L1411	645 020 1776	INDUCTOR,3.3U M
L1451	645 020 1776	INDUCTOR,3.3U M
L1501	645 020 1776	INDUCTOR,3.3U M
L1502	645 002 5129	INDUCTOR,0.47U M
L1505	645 002 5129	INDUCTOR,0.47U M
L1531	645 020 1776	INDUCTOR,3.3U M
L1532	645 002 5129	INDUCTOR,0.47U M
L1535	645 002 5129	INDUCTOR,0.47U M
L1561	645 020 1776	INDUCTOR,3.3U M
L1562	645 002 5129	INDUCTOR,0.47U M
L1565	645 002 5129	INDUCTOR,0.47U M
L1961	645 020 1776	INDUCTOR,3.3U M
L1971	645 020 1776	INDUCTOR,3.3U M
L211	645 020 1776	INDUCTOR,3.3U M
L212	645 020 1776	INDUCTOR,3.3U M
L2202	645 020 1776	INDUCTOR,3.3U M
L2204	645 020 1776	INDUCTOR,3.3U M
L431	645 026 1008	INDUCTOR,3.3U M
L501	645 020 1776	INDUCTOR,3.3U M
L502	645 002 5129	INDUCTOR,0.47U M
L506	645 002 5129	INDUCTOR,0.47U M
L5102	645 020 1776	INDUCTOR,3.3U M
L5106	645 020 1776	INDUCTOR,3.3U M
L5201	645 020 1776	INDUCTOR,3.3U M
L5202	645 002 5129	INDUCTOR,0.47U M
L5203	645 002 5129	INDUCTOR,0.47U M
L5251	645 002 5129	INDUCTOR,0.47U M
L5252	645 002 5129	INDUCTOR,0.47U M
L5281	645 020 1776	INDUCTOR,3.3U M
L5282	645 002 5129	INDUCTOR,0.47U M
L531	645 020 1776	INDUCTOR,3.3U M
L532	645 002 5129	INDUCTOR,0.47U M
L536	645 002 5129	INDUCTOR,0.47U M
L561	645 020 1776	INDUCTOR,3.3U M
L562	645 002 5129	INDUCTOR,0.47U M
L566	645 002 5129	INDUCTOR,0.47U M
L7271	645 026 1008	INDUCTOR,3.3U M
L7272	645 026 1008	INDUCTOR,3.3U M

DIODE

Ref. No.	Part No.	Description
D1831	407 149 0807	DIODE 1SS355-TE-17
D1971	407 149 0807	DIODE 1SS355-TE-17
D2631	407 149 0807	DIODE 1SS355-TE-17
D2643	407 149 0807	DIODE 1SS355-TE-17
D2851	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2852	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2853	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2854	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2861	407 209 7500	LED SML-210YT T86 L
D2863	407 203 7803	LED SML-210LT T86 M
D2864	407 210 0200	LED SML-210PT T86 K
D2865	407 203 7803	LED SML-210LT T86 M
D2891TM	407 149 0807	DIODE 1SS355-TE-17
D3301	407 149 0807	DIODE 1SS355-TE-17
D3851	407 179 1706	ZENER DIODE UDZ5.1B-TE-17
D3882	407 149 0807	DIODE 1SS355-TE-17
D451	407 149 0807	DIODE 1SS355-TE-17
D471	407 149 0807	DIODE 1SS355-TE-17
D5001	407 149 0807	DIODE 1SS355-TE-17
D5002	407 149 0807	DIODE 1SS355-TE-17
D5211	407 149 0807	DIODE 1SS355-TE-17
D5221	407 149 0807	DIODE 1SS355-TE-17
D5231	407 149 0807	DIODE 1SS355-TE-17
D5281	407 149 0807	DIODE 1SS355-TE-17
D5282	407 149 0807	DIODE 1SS355-TE-17
D5283	407 149 0807	DIODE 1SS355-TE-17
D6612	407 004 0706	DIODE DCB015-TB
D6613	407 004 0706	DIODE DCB015-TB
D6801	407 149 0807	DIODE 1SS355-TE-17
D6802	407 149 0807	DIODE 1SS355-TE-17
D6803	407 149 0807	DIODE 1SS355-TE-17
D851	407 149 0807	DIODE 1SS355-TE-17

MISCELLANEOUS

Ref. No.	Part No.	Description
SW6801	645 026 2791	SWITCH,PUSH 1P-1TX1
SW6802	645 026 2791	SWITCH,PUSH 1P-1TX1
SW6803	645 026 2791	SWITCH,PUSH 1P-1TX1
SW6804	645 026 2791	SWITCH,PUSH 1P-1TX1
SW6806	645 026 2791	SWITCH,PUSH 1P-1TX1
SW6807	645 026 2791	SWITCH,PUSH 1P-1TX1
SW6808	645 026 2791	SWITCH,PUSH 1P-1TX1
SW6809	645 026 2791	SWITCH,PUSH 1P-1TX1
SW6871	645 026 2791	SWITCH,PUSH 1P-1TX1
X1951	645 037 9352	OSC,CRYSTAL 24.000MHZ
X1961	645 036 3788	OSC,CRISTAL,16.000MHZ
X2881	645 025 4468	OSC,CRYSTAL 3.579545MHZ
X3801	645 021 1218	OSC,CERAMIC 8.00MHZ

Ref. No.	Part No.	Description
	645 037 5187	OSC,CERAMIC 8.00MHZ
X3841	645 021 1218	OSC,CERAMIC 8.00MHZ
	645 037 5187	OSC,CERAMIC 8.00MHZ
X3861	645 024 8566	OSC,CERAMIC 6.00MHZ
	645 037 5217	OSC,CERAMIC 6.00MHZ
X5101	645 037 4623	OSC,CRYSTAL 24.576MHZ

610 287 9285 ASSY,PWB,TEMP MP6A 1AA0B10C3010B

INTEGRATED CIRCUIT

Ref. No.	Part No.	Description
IC1832	409 481 8602	IC LM76CHMX-5

CAPACITOR

Ref. No.	Part No.	Description
C1833	403 205 7803	TA-SOLID 2.2U M 16V
C1871TM	403 011 3402	CERAMIC 120P J 50V
C1872TM	403 155 1609	CERAMIC 33P J 50V

RESISTOR

Ref. No.	Part No.	Description
R1870	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1871	401 105 0306	MT-GLAZE 10 JA 1/16W
R1872	401 105 0306	MT-GLAZE 10 JA 1/16W
R1873	401 105 0603	MT-GLAZE 10K JA 1/16W
R1874	401 105 7909	MT-GLAZE 0.000 ZA 1/16W

610 287 9308 ASSY,PWB,AV MP6A 1AA0B10C3020A

TRANSISTOR

Ref. No.	Part No.	Description
Q1001	405 132 3101	TR DTC114EKA-T146
Q1002	405 132 3101	TR DTC114EKA-T146

INTEGRATED CIRCUIT

Ref. No.	Part No.	Description
IC1001	409 461 7304	IC AD8057ART
IC1021	409 417 1400	IC CXA2016S

CAPACITOR

Ref. No.	Part No.	Description
C1006	403 157 3601	CERAMIC 100P J 50V
C1007	403 348 5803	CERAMIC 0.47U K 10V
C1009	403 157 1904	CERAMIC 10P D 50V
C1011	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
C1014	403 162 4006	ELECT 22U M 6.3V
C1016	403 298 9609	CERAMIC 0.1U K 16V
C1017	403 162 4006	ELECT 22U M 6.3V
C1018	403 298 9609	CERAMIC 0.1U K 16V
C1028	403 205 7803	TA-SOLID 2.2U M 16V
C1029	403 325 6304	CERAMIC 0.22U K 10V
C1031	403 325 6304	CERAMIC 0.22U K 10V
C1032	403 091 0209	TA-SOLID 1U M 16V
C1033	403 298 9609	CERAMIC 0.1U K 16V
C1034	403 325 6304	CERAMIC 0.22U K 10V
C1036	403 091 0209	TA-SOLID 1U M 16V
C1038	403 298 9609	CERAMIC 0.1U K 16V
C1039	403 162 4006	ELECT 22U M 6.3V
C1043	403 155 2200	CERAMIC 3300P K 50V
C1044	403 298 9609	CERAMIC 0.1U K 16V
C1046	403 298 9609	CERAMIC 0.1U K 16V
C2001	403 298 9609	CERAMIC 0.1U K 16V
C2011	403 157 3601	CERAMIC 100P J 50V
C2012	403 157 3601	CERAMIC 100P J 50V
C2021	403 157 3601	CERAMIC 100P J 50V
C2022	403 157 3601	CERAMIC 100P J 50V
C2091	403 157 3601	CERAMIC 100P J 50V
C2092	403 157 3601	CERAMIC 100P J 50V

RESISTOR

Ref. No.	Part No.	Description
R1011	401 105 0405	MT-GLAZE 100 JA 1/16W
R1021	401 105 0405	MT-GLAZE 100 JA 1/16W
R1024	401 105 0504	MT-GLAZE 1K JA 1/16W
R1026	401 203 9805	MT-GLAZE 2.7K FA 1/16W
R1027	401 247 0202	MT-GLAZE 3.9K FA 1/16W
R1028	401 105 0405	MT-GLAZE 100 JA 1/16W
R1031	401 105 0603	MT-GLAZE 10K JA 1/16W
R1032	401 105 6506	MT-GLAZE 680 JA 1/16W
R1035	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1036	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1037	401 105 0405	MT-GLAZE 100 JA 1/16W
R1043	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1049	401 105 4205	MT-GLAZE 33K JA 1/16W
R1051	401 105 2706	MT-GLAZE 220 JA 1/16W
R1053	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1054	401 211 9903	MT-GLAZE 12K FA 1/16W
R1056	401 211 9903	MT-GLAZE 12K FA 1/16W
R1067	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1068	401 105 2706	MT-GLAZE 220 JA 1/16W
R1071	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R1075	401 105 0504	MT-GLAZE 1K JA 1/16W
R2001	401 105 4205	MT-GLAZE 33K JA 1/16W
R2002	401 105 0405	MT-GLAZE 100 JA 1/16W
R2003TM	401 027 6608	CARBON 75 JA 1/6W
R2007TM	401 027 6608	CARBON 75 JA 1/6W
R2011TM	401 027 6608	CARBON 75 JA 1/6W
R2013TM	401 027 6608	CARBON 75 JA 1/6W
R2016TM	401 027 6608	CARBON 75 JA 1/6W
R2018	401 105 5509	MT-GLAZE 470K JA 1/16W
R2019	401 105 0405	MT-GLAZE 100 JA 1/16W
R2021	401 105 5509	MT-GLAZE 470K JA 1/16W
R2022	401 105 0405	MT-GLAZE 100 JA 1/16W
R2023	401 105 5509	MT-GLAZE 470K JA 1/16W
R2024	401 105 0405	MT-GLAZE 100 JA 1/16W
R2026	401 105 5509	MT-GLAZE 470K JA 1/16W
R2027	401 105 0405	MT-GLAZE 100 JA 1/16W
R2061	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2063	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2066	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2086	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2088	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2093	401 105 0702	MT-GLAZE 100K JA 1/16W
R2094	401 105 0405	MT-GLAZE 100 JA 1/16W
R2096	401 105 0702	MT-GLAZE 100K JA 1/16W
R2097	401 105 0405	MT-GLAZE 100 JA 1/16W

COIL

Ref. No.	Part No.	Description
L1001	645 024 0669	FILTER,EMI 20PF
L1002	645 024 0669	FILTER,EMI 20PF
L1003	645 024 0669	FILTER,EMI 20PF
L1006	645 025 0637	FILTER,EMI 190PF
L1007	645 025 0637	FILTER,EMI 190PF
L1017	645 014 2659	FILTER,EMI 10MHZ
L1018	645 014 2659	FILTER,EMI 10MHZ
L1019	645 014 2659	FILTER,EMI 10MHZ
L1021	645 014 2659	FILTER,EMI 10MHZ
L1022	645 014 2659	FILTER,EMI 10MHZ
L1023	645 014 2659	FILTER,EMI 10MHZ
L1024	645 014 2659	FILTER,EMI 10MHZ
L2001	403 366 6202	CERAMIC 22U Z 10V
L2002	403 366 6202	CERAMIC 22U Z 10V
L2003	645 014 2659	FILTER,EMI 10MHZ
L2004	645 002 3934	FILTER,EMI 50MHZ
L2006	645 002 3934	FILTER,EMI 50MHZ
L2007	645 002 3934	FILTER,EMI 50MHZ
L2008	645 002 3934	FILTER,EMI 50MHZ

Ref. No.	Part No.	Description
L2009	645 002 3934	FILTER,EMI 50MHZ
L2011TM	403 194 4609	ELECT 470U M 16V
L2012	403 366 6202	CERAMIC 22U Z 10V
L2013	403 366 6202	CERAMIC 22U Z 10V
L2016	645 014 2659	FILTER,EMI 10MHZ
L2017	645 014 2659	FILTER,EMI 10MHZ
L2021	645 014 2659	FILTER,EMI 10MHZ
L2022	645 014 2659	FILTER,EMI 10MHZ
L2091	645 014 2659	FILTER,EMI 10MHZ
L2092	645 014 2659	FILTER,EMI 10MHZ
DIODE		
D1001	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D1002	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D1003	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D1006	407 187 8209	ZENER DIODE UDZ12B-TE-17
D1007	407 187 8209	ZENER DIODE UDZ12B-TE-17
D1008	407 149 0807	DIODE 1SS355-TE-17
D1009	407 149 0807	DIODE 1SS355-TE-17
D1010	407 149 0807	DIODE 1SS355-TE-17
D1012	407 149 0807	DIODE 1SS355-TE-17
D1013	407 149 0807	DIODE 1SS355-TE-17
D1014	407 149 0807	DIODE 1SS355-TE-17
D1021	407 187 8605	ZENER DIODE UDZ20B-TE-17
D1022	407 187 8605	ZENER DIODE UDZ20B-TE-17
D1023	407 187 8605	ZENER DIODE UDZ20B-TE-17
D1024	407 187 8605	ZENER DIODE UDZ20B-TE-17
D1026	407 187 8605	ZENER DIODE UDZ20B-TE-17
D1027	407 187 8605	ZENER DIODE UDZ20B-TE-17
D1028	407 187 8605	ZENER DIODE UDZ20B-TE-17
D1029	407 187 8605	ZENER DIODE UDZ20B-TE-17
D1031	407 187 8605	ZENER DIODE UDZ20B-TE-17
D2001	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2002	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D2003	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D2004	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D2006	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D2007	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D2008	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D2009	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D2011	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D2012	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D2013	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D2016	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2017	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2018	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2019	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2021	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2022	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2023	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2024	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2091	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2092	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2093	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2094	407 187 8209	ZENER DIODE UDZ12B-TE-17
MISCELLANEOUS		
K1001	645 009 8093	SOCKET,D-SUB 15P
K1002	645 000 2595	SOCKET,DIN 8P
K2001	610 010 8295	SOCKET,DIN 4P
K2002	645 042 2799	JACK,RCA-3
K2003	645 000 2571	JACK,PHONE D8.0
K2004	645 000 2571	JACK,PHONE D8.0
K2005	645 000 2571	JACK,PHONE D8.0
SW1001	645 042 8104	SWITCH,PUSH 1P-1TX1

610 287 9315 ASSY,PWB,COMPONENT MP6A 1AA0B10C3020B

Ref. No.	Part No.	Description
TRANSISTOR		
Q2651	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q2661	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q2671	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q2681	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q2691	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q2701	405 047 9007	TR 2SB1204-S-TL
	405 047 9106	TR 2SB1204-T-TL
Q2702	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
Q6611	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
INTEGRATED CIRCUIT		
IC2641	409 461 7809	IC PQ20WZ11
IC2651	409 461 7809	IC PQ20WZ11
IC2661	409 461 7809	IC PQ20WZ11
IC2671	409 461 7809	IC PQ20WZ11
IC2681	409 461 7809	IC PQ20WZ11
IC2691	409 461 7809	IC PQ20WZ11
CAPACITOR		
C2501	403 229 3508	ELECT 100U M 16V
	403 335 0408	ELECT 100U M 16V
C2502	403 164 0204	CERAMIC 0.1U Z 25V
C2503	403 229 3508	ELECT 100U M 16V
	403 335 0408	ELECT 100U M 16V
C2504	403 164 0204	CERAMIC 0.1U Z 25V
C2505	403 175 4109	ELECT 22U M 16V
C2506	403 164 0204	CERAMIC 0.1U Z 25V
C2507	403 164 0204	CERAMIC 0.1U Z 25V
C2508	403 164 0204	CERAMIC 0.1U Z 25V
C2509	403 164 0204	CERAMIC 0.1U Z 25V
C2520	403 175 4109	ELECT 22U M 16V
C2521	403 164 0204	CERAMIC 0.1U Z 25V
C2522	403 164 0204	CERAMIC 0.1U Z 25V
C2523	403 164 0204	CERAMIC 0.1U Z 25V
C2524	403 164 0204	CERAMIC 0.1U Z 25V
C2540	403 175 4109	ELECT 22U M 16V
C2541	403 164 0204	CERAMIC 0.1U Z 25V
C2542	403 164 0204	CERAMIC 0.1U Z 25V
C2543	403 164 0204	CERAMIC 0.1U Z 25V
C2544	403 164 0204	CERAMIC 0.1U Z 25V
C2545	403 229 3508	ELECT 100U M 16V

Electrical Parts List

Ref. No.	Part No.	Description
	403 335 0408	ELECT 100U M 16V
C2546	403 229 3508	ELECT 100U M 16V
	403 335 0408	ELECT 100U M 16V
C2641	403 229 3508	ELECT 100U M 16V
C2642	403 149 9208	CERAMIC 0.01U Z 50V
C2643	403 149 9208	CERAMIC 0.01U Z 50V
C2651	403 229 3508	ELECT 100U M 16V
C2652	403 149 9208	CERAMIC 0.01U Z 50V
C2653	403 149 9208	CERAMIC 0.01U Z 50V
C2661	403 229 3508	ELECT 100U M 16V
C2662	403 149 9208	CERAMIC 0.01U Z 50V
C2663	403 149 9208	CERAMIC 0.01U Z 50V
C2671	403 229 3508	ELECT 100U M 16V
C2672	403 149 9208	CERAMIC 0.01U Z 50V
C2673	403 149 9208	CERAMIC 0.01U Z 50V
C2681	403 229 3508	ELECT 100U M 16V
C2682	403 149 9208	CERAMIC 0.01U Z 50V
C2683	403 149 9208	CERAMIC 0.01U Z 50V
C2691	403 229 3508	ELECT 100U M 16V
C2692	403 149 9208	CERAMIC 0.01U Z 50V
C2693	403 149 9208	CERAMIC 0.01U Z 50V
C6614	403 229 3508	ELECT 100U M 16V
C6616	403 229 3508	ELECT 100U M 16V
RESISTOR		
R2501	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R2502	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R2504	401 038 7601	MT-GLAZE 560 JA 1/10W
R2505	401 037 7800	MT-GLAZE 150 JA 1/10W
R2506	401 105 0306	MT-GLAZE 10 JA 1/16W
R2507	401 105 0306	MT-GLAZE 10 JA 1/16W
R2508	401 105 0306	MT-GLAZE 10 JA 1/16W
R2509	401 105 0306	MT-GLAZE 10 JA 1/16W
R2510	401 105 0306	MT-GLAZE 10 JA 1/16W
R2511	401 105 0306	MT-GLAZE 10 JA 1/16W
R2512	401 105 0306	MT-GLAZE 10 JA 1/16W
R2513	401 105 0306	MT-GLAZE 10 JA 1/16W
R2514	401 105 0306	MT-GLAZE 10 JA 1/16W
R2515	401 105 0306	MT-GLAZE 10 JA 1/16W
R2516	401 148 6006	MT-GLAZE 2.2 JA 1/16W
R2517	401 148 6006	MT-GLAZE 2.2 JA 1/16W
R2520	401 105 0306	MT-GLAZE 10 JA 1/16W
R2521	401 105 0306	MT-GLAZE 10 JA 1/16W
R2522	401 105 0306	MT-GLAZE 10 JA 1/16W
R2523	401 105 0306	MT-GLAZE 10 JA 1/16W
R2524	401 105 0306	MT-GLAZE 10 JA 1/16W
R2525	401 105 0306	MT-GLAZE 10 JA 1/16W
R2526	401 105 0306	MT-GLAZE 10 JA 1/16W
R2527	401 105 0306	MT-GLAZE 10 JA 1/16W
R2528	401 105 0306	MT-GLAZE 10 JA 1/16W
R2529	401 105 0306	MT-GLAZE 10 JA 1/16W
R2530	401 148 6006	MT-GLAZE 2.2 JA 1/16W
R2531	401 148 6006	MT-GLAZE 2.2 JA 1/16W
R2540	401 105 0306	MT-GLAZE 10 JA 1/16W
R2541	401 105 0306	MT-GLAZE 10 JA 1/16W
R2542	401 105 0306	MT-GLAZE 10 JA 1/16W
R2543	401 105 0306	MT-GLAZE 10 JA 1/16W
R2544	401 105 0306	MT-GLAZE 10 JA 1/16W
R2545	401 105 0306	MT-GLAZE 10 JA 1/16W
R2546	401 105 0306	MT-GLAZE 10 JA 1/16W
R2547	401 105 0306	MT-GLAZE 10 JA 1/16W
R2548	401 105 0306	MT-GLAZE 10 JA 1/16W
R2549	401 105 0306	MT-GLAZE 10 JA 1/16W
R2550	401 148 6006	MT-GLAZE 2.2 JA 1/16W
R2551	401 148 6006	MT-GLAZE 2.2 JA 1/16W
R2641	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R2642	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R2643	401 105 2409	MT-GLAZE 2K JA 1/16W
R2647	401 102 7506	MT-GLAZE 22 JA 1W
R2648	401 102 7506	MT-GLAZE 22 JA 1W
R2649TM	401 102 7506	MT-GLAZE 22 JA 1W
R2651	401 105 0504	MT-GLAZE 1K JA 1/16W
R2653	401 113 6208	MT-GLAZE 3.6K JA 1/16W
R2654	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2655	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R2659	401 105 2409	MT-GLAZE 2K JA 1/16W
R2661	401 185 9701	MT-GLAZE 470 JA 1W
R2662	401 185 9701	MT-GLAZE 470 JA 1W
R2663	401 185 9701	MT-GLAZE 470 JA 1W
R2664	401 198 7503	MT-GLAZE 15 JA 1W
R2665	401 198 7503	MT-GLAZE 15 JA 1W
R2666	401 198 7503	MT-GLAZE 15 JA 1W
R2667	401 105 0504	MT-GLAZE 1K JA 1/16W
R2669	401 105 0504	MT-GLAZE 1K JA 1/16W
R2671	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2672	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R2676	401 105 2409	MT-GLAZE 2K JA 1/16W
R2677	401 162 6303	MT-GLAZE 330 JA 1W
R2678	401 162 6303	MT-GLAZE 330 JA 1W
R2679	401 162 6303	MT-GLAZE 330 JA 1W
R2681	401 102 7506	MT-GLAZE 22 JA 1W
R2682	401 102 7506	MT-GLAZE 22 JA 1W
R2683	401 102 7506	MT-GLAZE 22 JA 1W
R2684	401 105 0504	MT-GLAZE 1K JA 1/16W
R2686	401 105 0504	MT-GLAZE 1K JA 1/16W
R2687	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2688	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R2693	401 105 2409	MT-GLAZE 2K JA 1/16W
R2694	401 162 6303	MT-GLAZE 330 JA 1W
R2695	401 162 6303	MT-GLAZE 330 JA 1W
R2696	401 162 6303	MT-GLAZE 330 JA 1W
R2697	401 102 7506	MT-GLAZE 22 JA 1W
R2698	401 102 7506	MT-GLAZE 22 JA 1W
R2699	401 102 7506	MT-GLAZE 22 JA 1W
R2701	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R2702	401 230 4705	MT-GLAZE 680 JA 1W
R2703	401 113 6109	MT-GLAZE 2.4K JA 1/16W
R2704	401 105 0504	MT-GLAZE 1K JA 1/16W
R6614	401 105 0603	MT-GLAZE 10K JA 1/16W
R6618	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R6619	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6631	401 105 0504	MT-GLAZE 1K JA 1/16W
R6633	401 105 0504	MT-GLAZE 1K JA 1/16W
R6634	401 113 6208	MT-GLAZE 3.6K JA 1/16W
R6635	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R6641	401 105 3703	MT-GLAZE 3K JA 1/16W
R6642	401 105 4601	MT-GLAZE 3.9K JA 1/16W
R6643	401 105 2409	MT-GLAZE 2K JA 1/16W
R6644	401 288 0506	MT-GLAZE 750 JA 1W
R6645	401 288 0506	MT-GLAZE 750 JA 1W
R6646	401 288 0506	MT-GLAZE 750 JA 1W
R6647	401 198 7909	MT-GLAZE 47 JA 1W
R6648	401 198 7909	MT-GLAZE 47 JA 1W
R6649	401 198 7909	MT-GLAZE 47 JA 1W
R6651	401 105 0504	MT-GLAZE 1K JA 1/16W
R6653	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6661	401 105 0504	MT-GLAZE 1K JA 1/16W
R6663	401 105 0504	MT-GLAZE 1K JA 1/16W
R6664	401 113 6208	MT-GLAZE 3.6K JA 1/16W
R6665	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6671	401 105 0504	MT-GLAZE 1K JA 1/16W
R6673	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6681	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R6682	401 105 7909	MT-GLAZE 0.000 ZA 1/16W

Ref. No.	Part No.	Description
R6683	401 105 2409	MT-GLAZE 2K JA 1/16W
R6684	401 162 6303	MT-GLAZE 330 JA 1W
R6685	401 162 6303	MT-GLAZE 330 JA 1W
R6686	401 162 6303	MT-GLAZE 330 JA 1W
R6687	401 198 7909	MT-GLAZE 47 JA 1W
R6688	401 198 7909	MT-GLAZE 47 JA 1W
R6689	401 198 7909	MT-GLAZE 47 JA 1W
R6691	401 105 0504	MT-GLAZE 1K JA 1/16W
R6693	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6697	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
COIL		
L2501	401 036 8907	MT-GLAZE 5.6 JA 1/8W
L2502	401 036 8907	MT-GLAZE 5.6 JA 1/8W
DIODE		
D2502	407 149 0807	DIODE 1SS355-TE-17
D2503	407 149 0807	DIODE 1SS355-TE-17
D2641	407 149 0807	DIODE 1SS355-TE-17
D2651	407 149 0807	DIODE 1SS355-TE-17
D2661	407 149 0807	DIODE 1SS355-TE-17
D2671	407 149 0807	DIODE 1SS355-TE-17
D2681	407 149 0807	DIODE 1SS355-TE-17
D2691	407 149 0807	DIODE 1SS355-TE-17
D6611	407 004 0706	DIODE DCB015-TB

610 287 9322 ASSY,PWB,R/C MP6A

1AA0B10C3020C

Ref. No.	Part No.	Description
CAPACITOR		
C2801	403 283 6309	CERAMIC 1U Z 10V
C2802	403 157 6602	CERAMIC 470P K 50V
C2803	403 304 2402	ELECT 100U M 10V
RESISTOR		
RC2801	645 034 5029	UNIT,REMOCON RECEIVER
R2801	401 105 2706	MT-GLAZE 220 JA 1/16W
R2802	401 105 0405	MT-GLAZE 100 JA 1/16W
R2803	401 105 2706	MT-GLAZE 220 JA 1/16W
MISCELLANEOUS		
K28D	645 005 6918	PLUG,SIDE-ZR-SM3 3P

610 291 0728 ASSY,PWB,POWER MP6A SERVI

ASSY,PWB,HIC MK6A

Ref. No.	Part No.	Description
TRANSISTOR		
Q01	405 014 4509	TR 2SC2412K T146 R
Q02	405 134 5905	TR 2SA1037AK-T146-R
INTEGRATED CIRCUIT		
IC01	409 483 3803	IC FA5332M
CAPACITOR		
C01	403 074 9502	CERAMIC 680P K 50V
C02	403 075 2304	CERAMIC 0.068U Z 50V
C03	403 070 2606	CERAMIC 0.1U Z 50V
C04	403 030 7009	CERAMIC 68P J 50V
C05	403 069 5601	CERAMIC 0.01U K 50V
C06	403 073 7301	CERAMIC 470P K 50V
C07	403 070 2606	CERAMIC 0.1U Z 50V
C08	403 074 3104	CERAMIC 0.047U Z 50V
C10	403 070 2606	CERAMIC 0.1U Z 50V
C11	403 070 2606	CERAMIC 0.1U Z 50V

Ref. No.	Part No.	Description
RESISTOR		
R01	401 038 0800	MT-GLAZE 22K JA 1/10W
R02	401 037 5608	MT-GLAZE 10K JA 1/10W
R03	401 037 9507	MT-GLAZE 1.8M JA 1/10W
R04	401 038 0503	MT-GLAZE 22 JA 1/10W
R05	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R06	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R07	401 038 3504	MT-GLAZE 330 JA 1/10W
R08	401 037 5202	MT-GLAZE 100 JA 1/10W
R09	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R11	401 038 6604	MT-GLAZE 470K JA 1/10W
R12	401 038 6505	MT-GLAZE 47K JA 1/10W
R13	401 148 2701	MT-GLAZE 1.1K FA 1/10W
R14	401 092 3304	MT-GLAZE 1.2K FA 1/10W
VARIABLE RESISTOR		
VR01	645 041 5333	VR,SEMI,1K M
DIODE		
D01	407 004 1000	DIODE DCC010-TB
D02	407 004 1000	DIODE DCC010-TB

ASSY,PWB,POWER MP6A

Ref. No.	Part No.	Description
TRANSISTOR		
Q611	405 140 3704	TR 2SK2698
Q641	405 134 5905	TR 2SA1037AK-T146-R
Q661	405 014 4509	TR 2SC2412K T146 R
Q662	405 014 4509	TR 2SC2412K T146 R
Q663	405 014 4509	TR 2SC2412K T146 R
Q671	405 138 1309	TR 2SB1565-E
	405 138 1408	TR 2SB1565-F
Q672	405 014 4509	TR 2SC2412K T146 R
Q681	405 144 6503	TR 2SK2312
INTEGRATED CIRCUIT		
IC631	409 421 4701	IC STR-Z2156
IC656	409 344 6509	IC UPC1093T-E1
CAPACITOR		
C611	403 165 6007	CERAMIC 1000P K 1K
C612	403 165 6007	CERAMIC 1000P K 1K
C616	403 275 6003	MT-POLYEST 1.5U J 400V
C617	403 119 8002	ELECT 470U M 25V
C618	404 084 0206	ELECT 120U M 450V
C619	403 323 8706	MT-POLYEST 0.047U K 450V
C620	403 323 8706	MT-POLYEST 0.047U K 450V
C630	403 156 9000	ELECT 2.2U M 50V
C631	403 237 7901	MT-COMPO 0.22U J 50V
C632	403 069 1702	CERAMIC 1000P K 50V
C633	403 165 8803	CERAMIC 330P K 2K
C634	403 070 2606	CERAMIC 0.1U Z 50V
C635	403 232 1003	CERAMIC 100P K 2K
C636	403 084 3507	POLYPRO 6800P J 630V
C637	403 074 9502	CERAMIC 680P K 50V
C638	403 156 8805	ELECT 1U M 50V
C639	403 148 1807	ELECT 220U M 35V
C640	403 070 2606	CERAMIC 0.1U Z 50V
C641	403 269 5906	CERAMIC 0.22U K 16V
C642	403 070 2606	CERAMIC 0.1U Z 50V
C643	403 166 9809	TA-SOLID 0.47U M 25V
⚠ C648	404 059 9203	CERAMIC 1000P M 400V
⚠ C649	404 059 9203	CERAMIC 1000P M 400V
C651	403 350 5006	ELECT 1000U M 25V
C652	403 356 0005	ELECT 3900U M 10V
C653	403 155 5607	ELECT 220U M 10V
C654	403 076 2006	CERAMIC 330P K 500V
C655	403 076 2006	CERAMIC 330P K 500V

Ref. No.	Part No.	Description
C656	403 256 0808	MT-COMPO 0.47U J 50V
C671	403 218 8101	ELECT 1000U M 25V
C683	403 208 6001	ELECT 2200U M 6.3V
C685	403 208 6001	ELECT 2200U M 6.3V
C687	403 208 6001	ELECT 2200U M 6.3V

RESISTOR

Ref. No.	Part No.	Description
R612	402 083 4805	RESISTER 0.1JA 2W
R614	401 237 0007	MT-GLAZE 47K JA 1W
R615	401 237 0007	MT-GLAZE 47K JA 1W
R616	401 237 0007	MT-GLAZE 47K JA 1W
R617	401 237 0007	MT-GLAZE 47K JA 1W
R618	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R620	401 242 3901	MT-GLAZE 240K JA 1/2W
R621	401 242 3901	MT-GLAZE 240K JA 1/2W
R622	401 259 9002	MT-GLAZE 150K FA 1/2W
R623	401 259 9002	MT-GLAZE 150K FA 1/2W
R624	401 259 9002	MT-GLAZE 150K FA 1/2W
R625	401 259 9002	MT-GLAZE 150K FA 1/2W
R626	401 263 0101	MT-GLAZE 100K JA 1W
R627	401 263 0101	MT-GLAZE 100K JA 1W
R628	401 263 0101	MT-GLAZE 100K JA 1W
R629	401 263 0101	MT-GLAZE 100K JA 1W
R631	401 263 0101	MT-GLAZE 100K JA 1W
R632	401 263 0101	MT-GLAZE 100K JA 1W
⚠ R633	402 079 7803	FUSIBLE RES 22 JH 1/4W
R634	401 238 4509	MT-GLAZE 47 JA 1/3W
R635	401 038 6307	MT-GLAZE 470 JA 1/10W
R636	401 288 3903	MT-GLAZE 200 JA 1/3W
R637	401 037 5608	MT-GLAZE 10K JA 1/10W
R638	401 037 5202	MT-GLAZE 100 JA 1/10W
R641	401 037 5400	MT-GLAZE 1K JA 1/10W
R642	401 037 5707	MT-GLAZE 100K JA 1/10W
R643	401 037 8005	MT-GLAZE 15K JA 1/10W
R644	401 038 0909	MT-GLAZE 220K JA 1/10W
R645	401 038 9308	MT-GLAZE 68K JA 1/10W
R646	401 038 9209	MT-GLAZE 6.8K JA 1/10W
R654	401 038 2002	MT-GLAZE 270 JA 1/10W
R655	401 037 5400	MT-GLAZE 1K JA 1/10W
R656	401 037 5608	MT-GLAZE 10K JA 1/10W
R657	401 038 9209	MT-GLAZE 6.8K JA 1/10W
R658	401 037 5103	MT-GLAZE 10 JA 1/10W
R659	401 037 5400	MT-GLAZE 1K JA 1/10W
R660	401 039 0304	MT-GLAZE 820 JA 1/10W
R661	401 037 5608	MT-GLAZE 10K JA 1/10W
R662	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R663	401 038 9209	MT-GLAZE 6.8K JA 1/10W
R664	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R665	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R666	401 037 9309	MT-GLAZE 18K JA 1/10W
R667	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R671	401 238 4400	MT-GLAZE 2.7K JA 1/3W
R672	401 238 4202	MT-GLAZE 1.5K JA 1/3W
R673	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R674	401 037 5608	MT-GLAZE 10K JA 1/10W
R681	401 038 0800	MT-GLAZE 22K JA 1/10W
R682	401 037 5707	MT-GLAZE 100K JA 1/10W

TRANSFORMER

Ref. No.	Part No.	Description
⚠ T651	645 042 1921	TRANS,POWER,PULSE

COIL

Ref. No.	Part No.	Description
L611	645 039 9749	INDUCTOR,1800U
L615	610 031 9998	PIPE CORE
L671	645 007 8125	INDUCTOR,47U K
L683	645 007 7975	INDUCTOR,100U K
L685	645 007 7975	INDUCTOR,100U K
L687	645 007 7975	INDUCTOR,100U K

DIODE

Ref. No.	Part No.	Description
DB611	407 202 7705	DIODE D10XB60
D611	407 174 2302	DIODE AK06
D612	407 191 3900	DIODE FML-G16S
D631	407 187 8209	ZENER DIODE UDZ12B-TE-17
D632	407 190 4106	DIODE SFPL-52V
D633	407 124 6800	DIODE AG01A
D634	407 125 5307	ZENER DIODE RD27M-T1BB
	407 140 0608	ZENER DIODE 02CZ27-TE85L
D635	407 190 4106	DIODE SFPL-52V
D641	407 149 0807	DIODE 1SS355-TE-17
D642	407 206 6308	ZD UDZS-TE-175.1B
	407 179 1706	ZENER DIODE UDZ5.1B-TE-17
D651	407 202 9808	DIODE FMB-26L
D652	407 164 2206	DIODE FMB-24L
D653	407 190 4106	DIODE SFPL-52V
D656	407 209 4509	ZD UDZS-TE-176.8B
	407 187 7806	ZENER DIODE UDZ6.8B-TE-17
D660	407 179 4905	ZENER DIODE UDZ-TE-174.7B
D661	407 149 0807	DIODE 1SS355-TE-17
D665	407 149 0807	DIODE 1SS355-TE-17

MISCELLANEOUS

Ref. No.	Part No.	Description
FB611	610 229 3531	CORE
FB612	610 229 3531	CORE
⚠ TSW611	645 026 4511	SWITCH,THERMAL
	645 043 3009	THERMOSTATS
⚠ PC641	408 039 3502	PC TLP721F(D4-GB)
⚠ PC642	408 039 3502	PC TLP721F(D4-GB)
⚠ PC643	408 039 3502	PC TLP721F(D4-GB)
⚠ PC644	408 039 3502	PC TLP721F(D4-GB)
⚠ PTH611	408 037 5607	THERMISTOR NTH11D8R0LC

610 289 3526 ASSY,PWB,LINE FILTER MP6A
1AA0B10C3110B

CAPACITOR

Ref. No.	Part No.	Description
⚠ C601	404 081 4702	MT-POLYEST 0.22U M 275V
⚠ C602	404 081 4702	MT-POLYEST 0.22U M 275V
⚠ C603	404 081 4702	MT-POLYEST 0.22U M 275V
⚠ C604	404 081 4702	MT-POLYEST 0.22U M 275V
⚠ C606	404 059 9203	CERAMIC 1000P M 400V

RESISTOR

Ref. No.	Part No.	Description
⚠ R601	401 008 8607	CARBON 220K JA 1/2W

VARIABLE RESISTOR

Ref. No.	Part No.	Description
⚠ VA601	408 018 9808	VARISTOR ENC471D-14AS

COIL

Ref. No.	Part No.	Description
⚠ L601	645 041 4961	LINE FILTER
⚠ L602	645 041 4961	LINE FILTER

MISCELLANEOUS

Ref. No.	Part No.	Description
⚠ F601	423 022 2102	FUSE 250V 4A
F601A	645 000 5077	HOLDER,FUSE
F601B	645 000 5077	HOLDER,FUSE

610 289 3533 ASSY,PWB,AUDIO AMP. MP6A
1AA0B10C3110C

INTEGRATED CIRCUIT

Ref. No.	Part No.	Description
IC001	409 073 1509	IC AN5265

Electrical Parts List

Ref. No.	Part No.	Description
CAPACITOR		
C001	403 148 0305	ELECT 470U M 16V
C002	403 049 0008	ELECT 1U M 50V
C003	403 049 0008	ELECT 1U M 50V
C004	403 041 8804	ELECT 10U M 16V
C005	403 041 8804	ELECT 10U M 16V
C006	403 044 9501	ELECT 100U M 25V
C007	403 070 2606	CERAMIC 0.1U Z 50V
C008	403 044 9501	ELECT 100U M 25V
RESISTOR		
R001	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R002	401 037 9309	MT-GLAZE 18K JA 1/10W
R003	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R004	401 038 2200	MT-GLAZE 27K JA 1/10W
R005	401 110 8601	MT-GLAZE 1 JA 1/10W
R006	401 037 5400	MT-GLAZE 1K JA 1/10W
R007	401 069 0305	OXIDE-MT 6.8 JA 2W
	401 069 0404	OXIDE-MT 6.8 JA 2W
R008	401 037 9101	MT-GLAZE 180 JA 1/10W
R011	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R012	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
DIODE		
D001	407 206 5509	ZD UDZS-TE-179.1B
	407 187 7905	ZENER DIODE UDZ9.1B-TE-17
D002	407 206 6308	ZD UDZS-TE-175.1B
	407 179 1706	ZENER DIODE UDZ5.1B-TE-17
D003	407 149 0807	DIODE 1SS355-TE-17
ACCESSORIES		
	645 041 5982	ASSY,REMOCON CXGW
	610 283 3867	RC-BATTERY LID-CXFJ
	610 286 9330	CARRY BAG-MK6A
	645 030 6624	CABLE,INTERFACE VGA
	645 039 7202	CABLE,MOUSE PS/2
OWNER'S MANUAL		
	(English)	
	610 288 7907	OWNER'S MANUAL-MP6A
	(Germany)	
	610 288 7914	OWNER'S MANUAL-MP6A-D
	(French)	
	610 288 7921	OWNER'S MANUAL-MP6A-F
	(Italian)	
	610 288 7938	OWNER'S MANUAL-MP6A-I
	(Spanish)	
	610 288 7945	OWNER'S MANUAL-MP6A-E
⚠ AC CORD		
	(For USA)	
	645 002 9189	CORD,POWER-3.0MK
	(For Europe, Asia, Africa)	
	645 002 9196	CORD,POWER-3.0MK
	(For UK)	
	645 003 1137	CORD,POWER-3.0MK

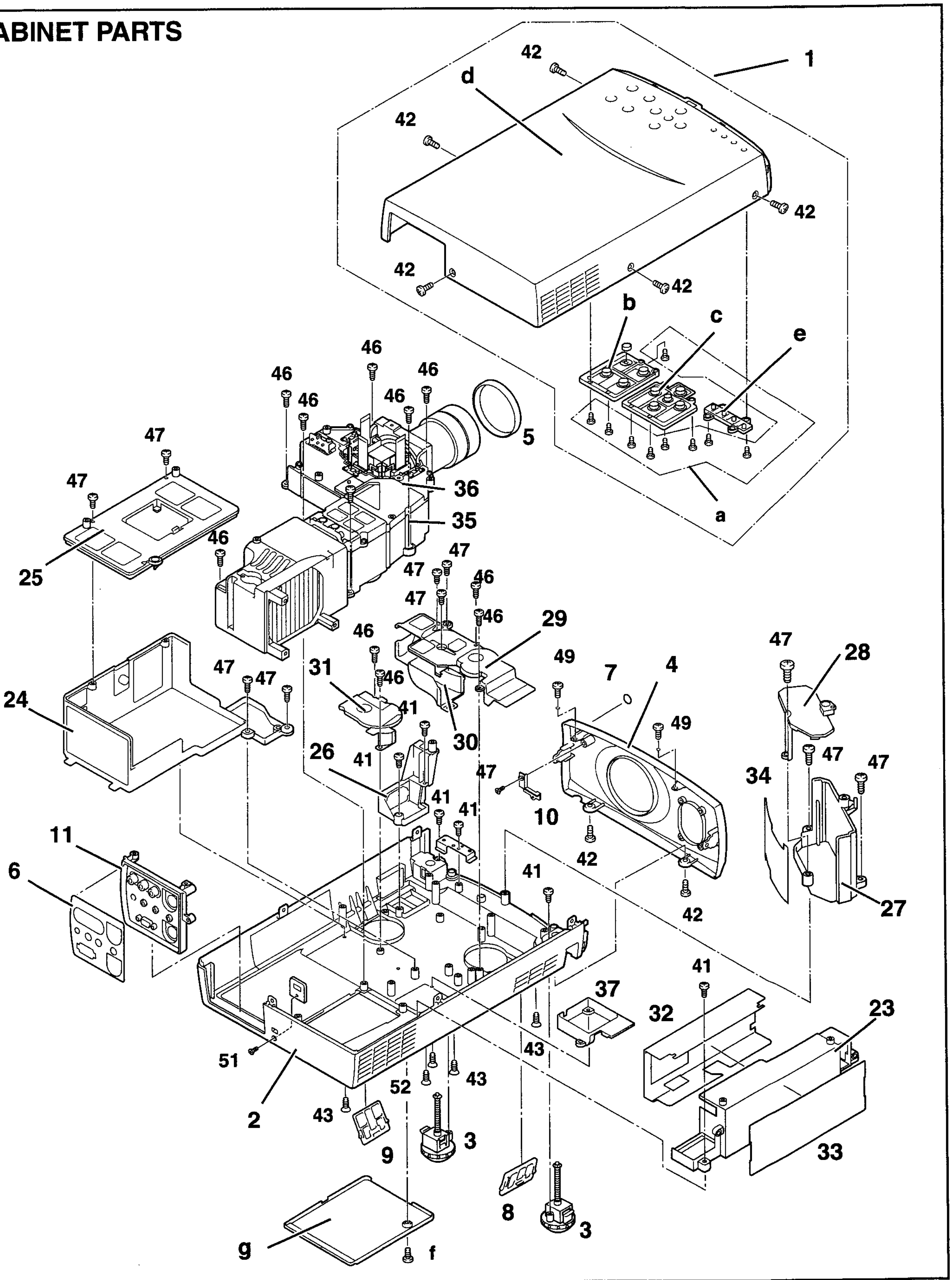
Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description

■ Mechanical Parts List

Note: Parts order must contain Chassis No., Part No., and Descriptions.

● CABINET PARTS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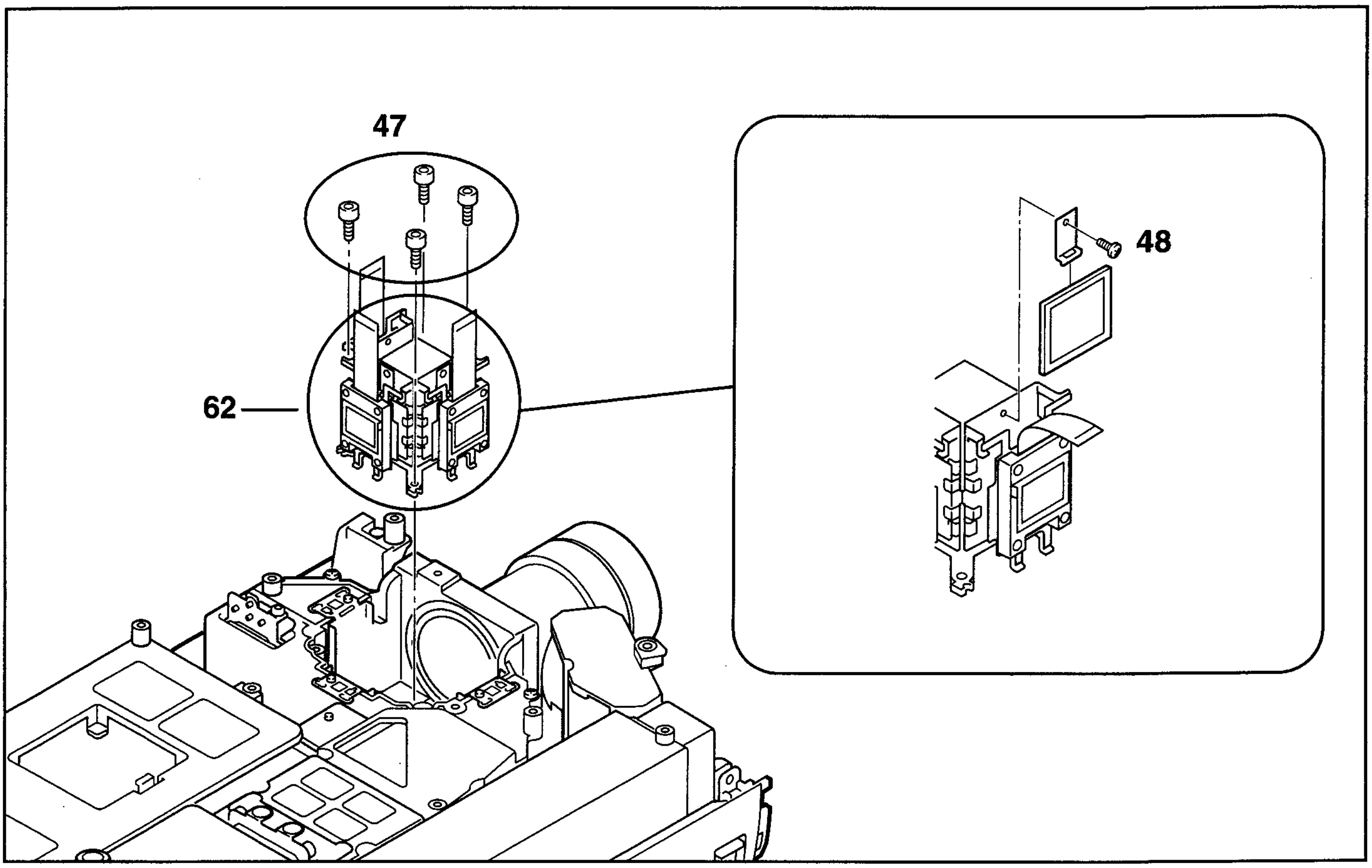
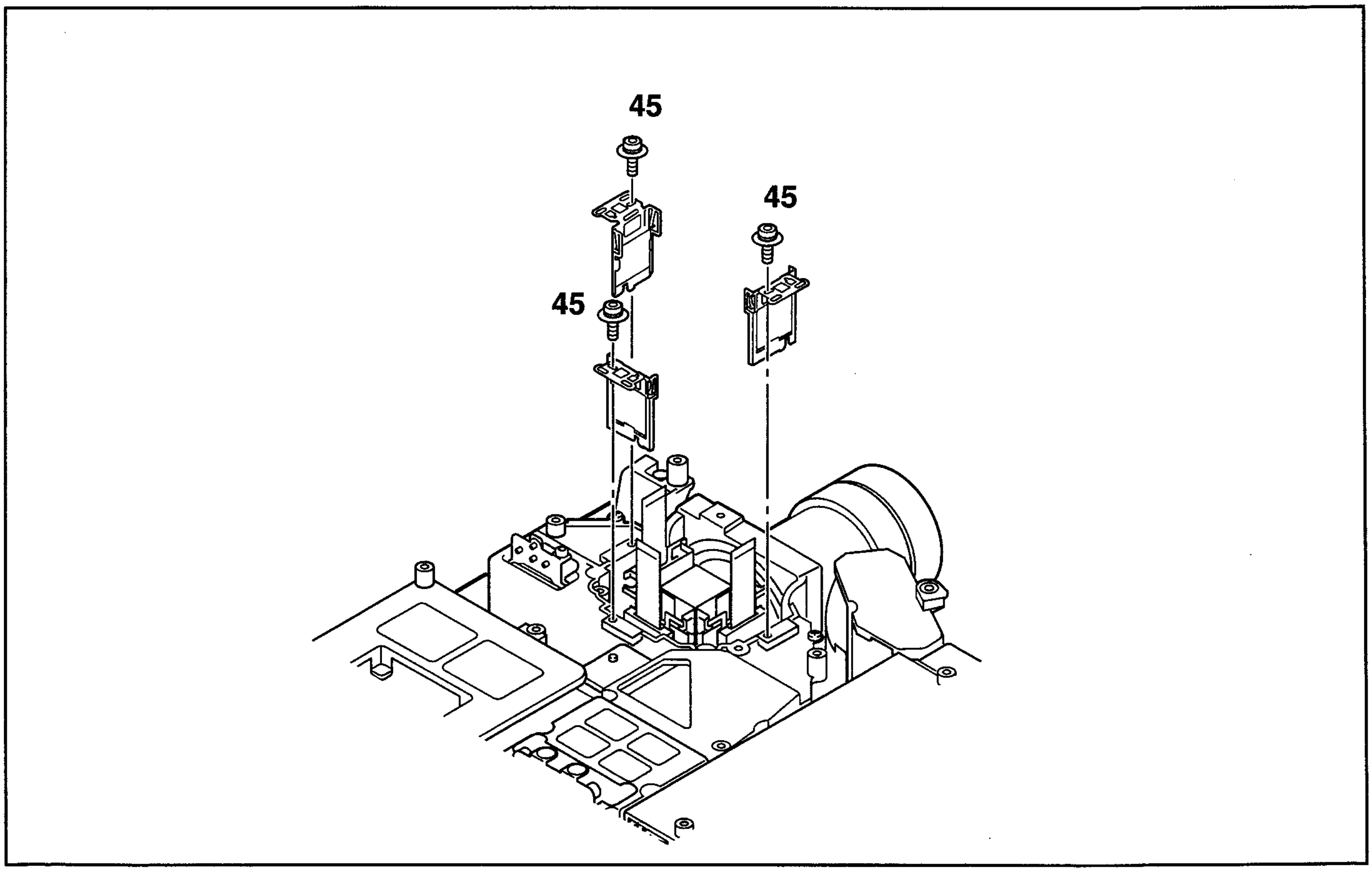
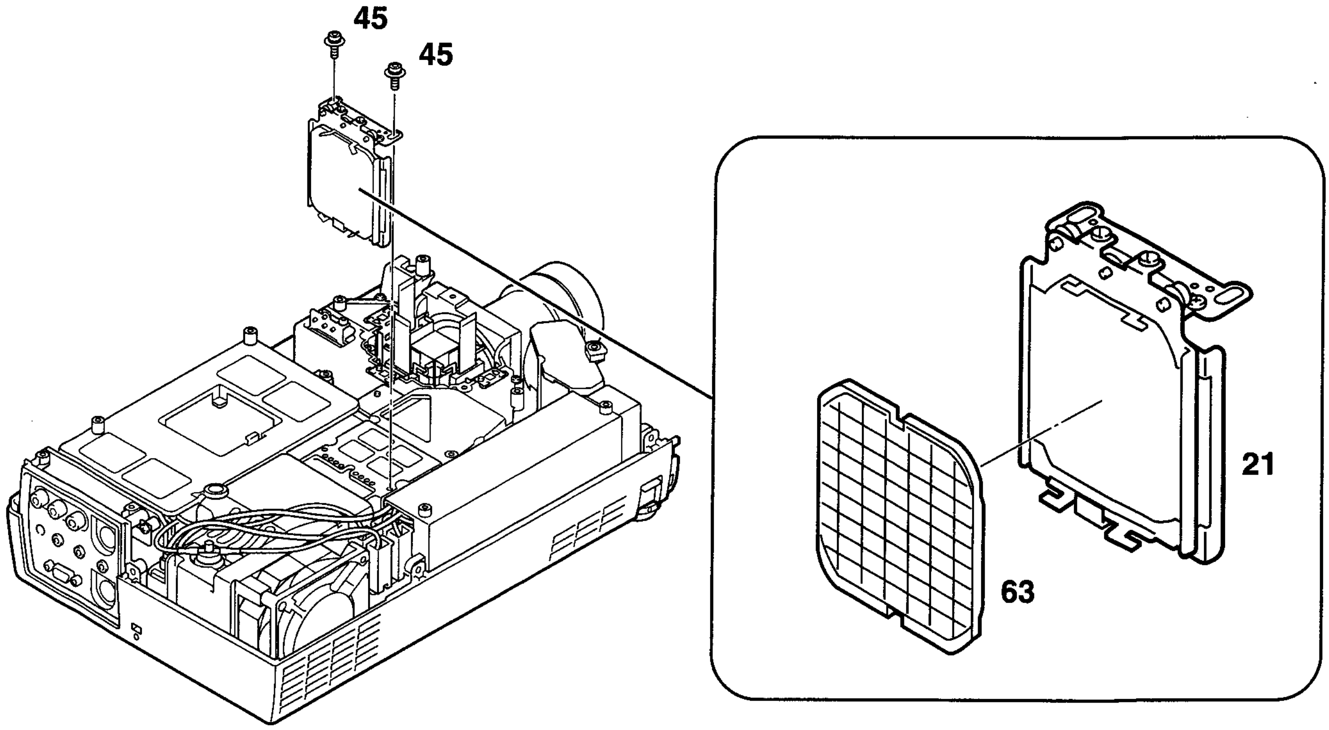
Mechanical Parts List

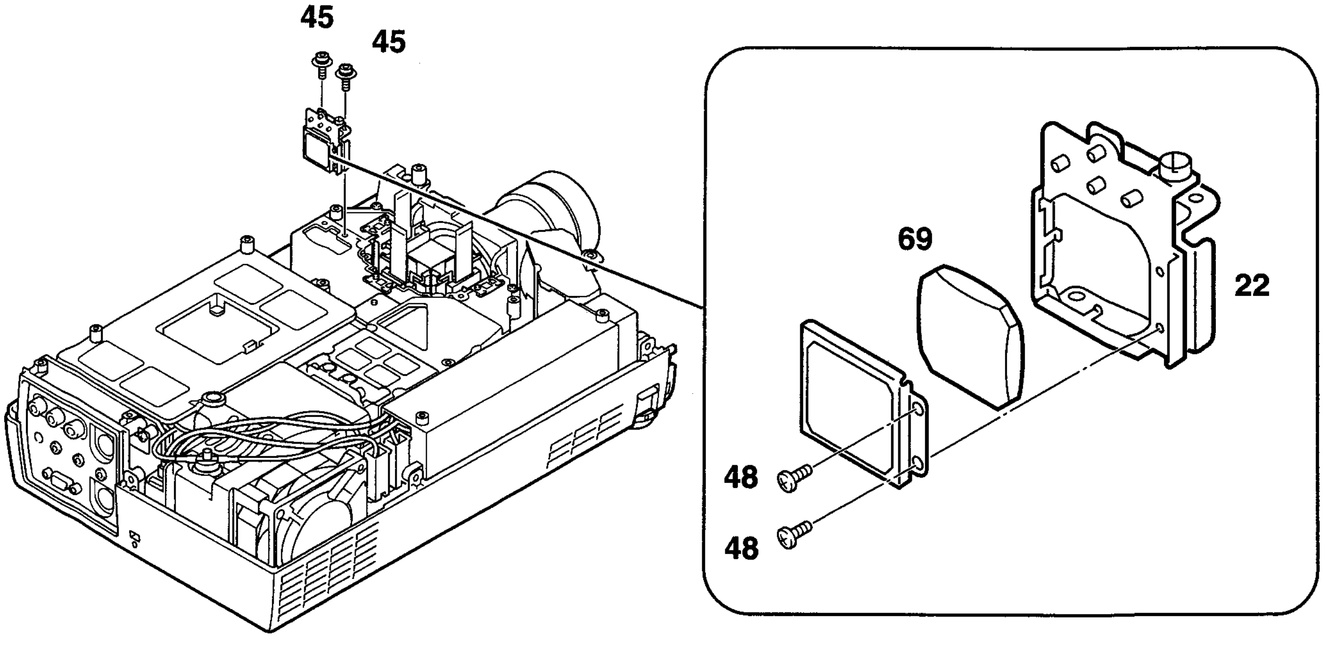
Key No.	Part No.	Description
CABINET PARTS		
1	610 288 6597	COMPL,CABINET TOP-MP6A
	(Including Key No. a to e)	
a	411 025 3806	SCR S-TPG BIN 2X4
b	610 285 8730	ASSY,BUTTON P-MK6A
c	610 285 6316	BUTTON-MK6A
d	610 288 7570	CABINET TOP-MP6A
e	610 285 7580	DEC INLAY-MK6A
2	610 291 0537	COMPL,CABINET BTM A-MK6A
	(Including Key No. f and g)	
f	411 031 9304	SCR BIN 3X8
g	610 285 6354	COVER,LP-MK6A
3	610 285 8471	ASSY,STAND LEG-MK6A
4	610 285 6330	CABINET FRONT-MK6A
5	610 285 7559	CAP LENS-MK6A
6	610 285 7610	DEC AV SHEET-MK6A
7	610 286 6391	DEC SHEET-MK6A
8	610 285 7634	FILTER BASE L-MK6A
9	610 285 7641	FILTER BASE R-MK6A
10	610 290 4628	HOLDER SENSOR-MK6A
11	610 285 6378	PANEL AV-MK6A
CHASSIS PARTS		
21	610 285 8457	COMPL,MOUNTING INT-MK6A
22	610 285 8464	COMPL,MOUNTING LENS-MK6A
23	610 291 2500	HOLDER LP PWB-MP6A
24	610 285 6743	HOLDER POWER PWB B-MK6A
25	610 285 6750	HOLDER POWER PWB T-MK6A
26	610 285 6767	HOLDER AC-MK6A
27	610 285 6781	HOLDER L.F PWB B-MK6A
28	610 286 9378	HOLDER L.F PWB T-MK6A
29	610 285 8525	MOUNTING DUCT TOP-MK6A
30	610 290 2082	MOUNTING DUCT BTM-M4GA
31	610 286 8364	MOUNTING DUCT TOP BLUE-MK
32	610 291 1046	SPACER SHEET*LP R-MP6A
33	610 286 9811	SPACER SHEET*LP L-MK6A
34	610 287 7793	SPACER SHEET*L.F-MK6A
35	610 285 1373	OPTICAL BASE BTM-MK6A
36	610 285 1380	OPTICAL BASE TOP-MK6A
37	610 291 0841	MOUNTING DUCT PBS-MP6A
SCREWS-CABINET-		
41	411 025 6500	SCR S-TPG BIN 3X8
42	411 031 9304	SCR BIN 3X8
43	411 077 9009	SCR TPG FLT 3X8
SCREWS-CHASSIS-		
44	412 058 5409	SPECIAL SCREW
45	411 181 4303	BOLT HEX-SCT+SW+W 2.5X5
46	411 025 5206	SCR S-TPG BIN 3X10
47	411 026 7704	SCR S-TPG PAN 3X6
48	411 030 5703	SCR BIN 2X4
49	411 001 8702	SCR BIN 3X6
50	411 001 8900	SCR BIN 3X8
51	411 033 3003	SCR FLT 2X4
52	411 002 2709	SCR FLT 3X6

Mechanical Parts List



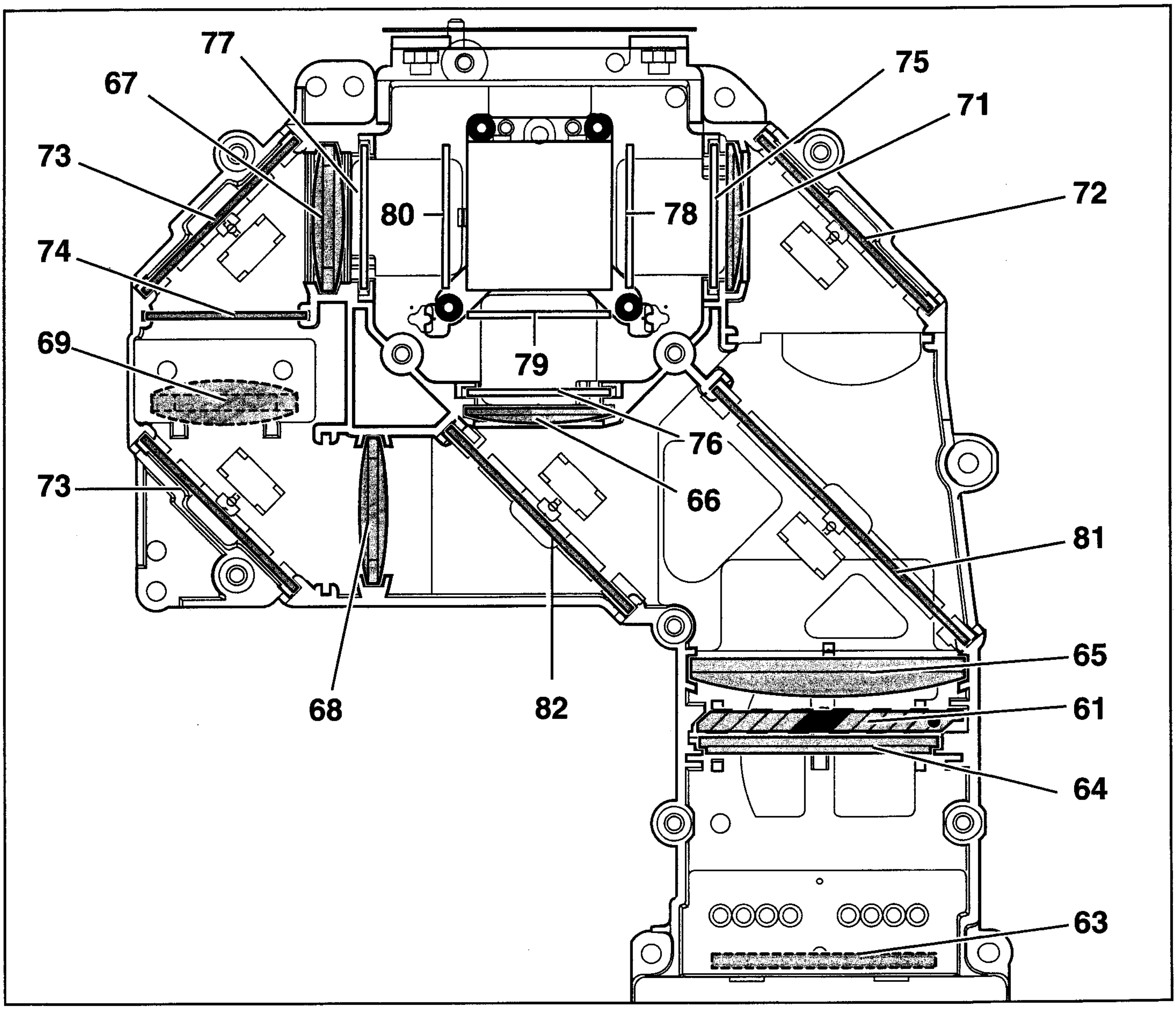






■ Optical Parts List

Note: Parts order must contain Chassis No., Part No., and Descriptions.


77
67
73
74
69
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80
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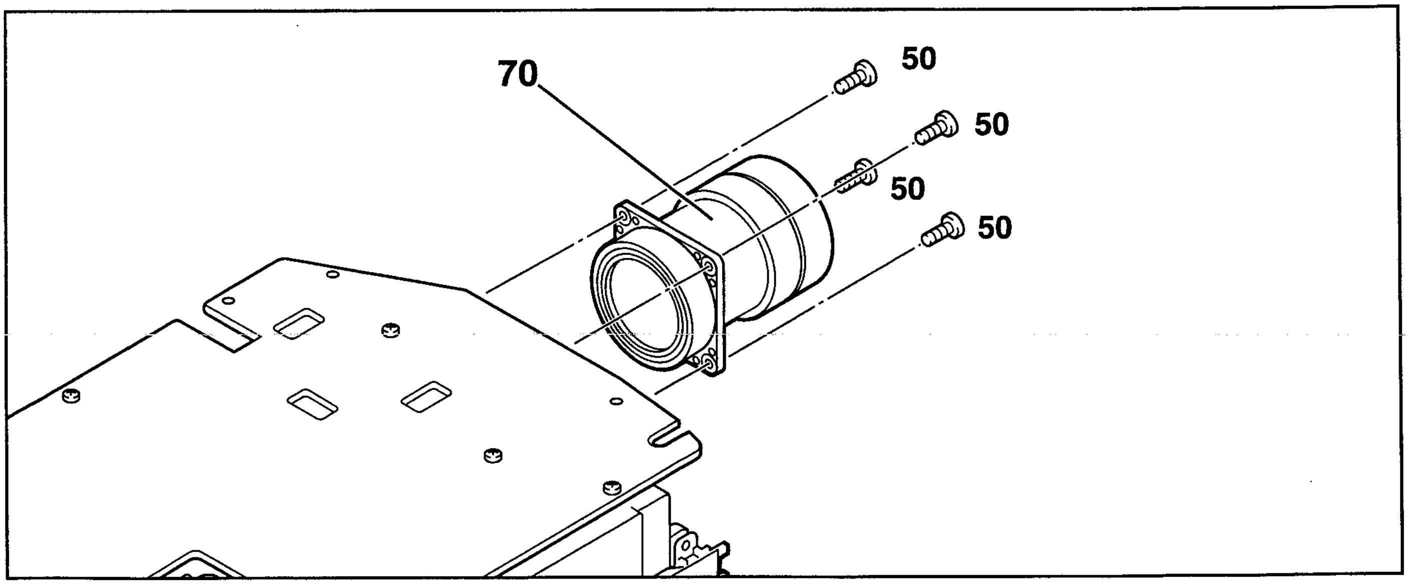
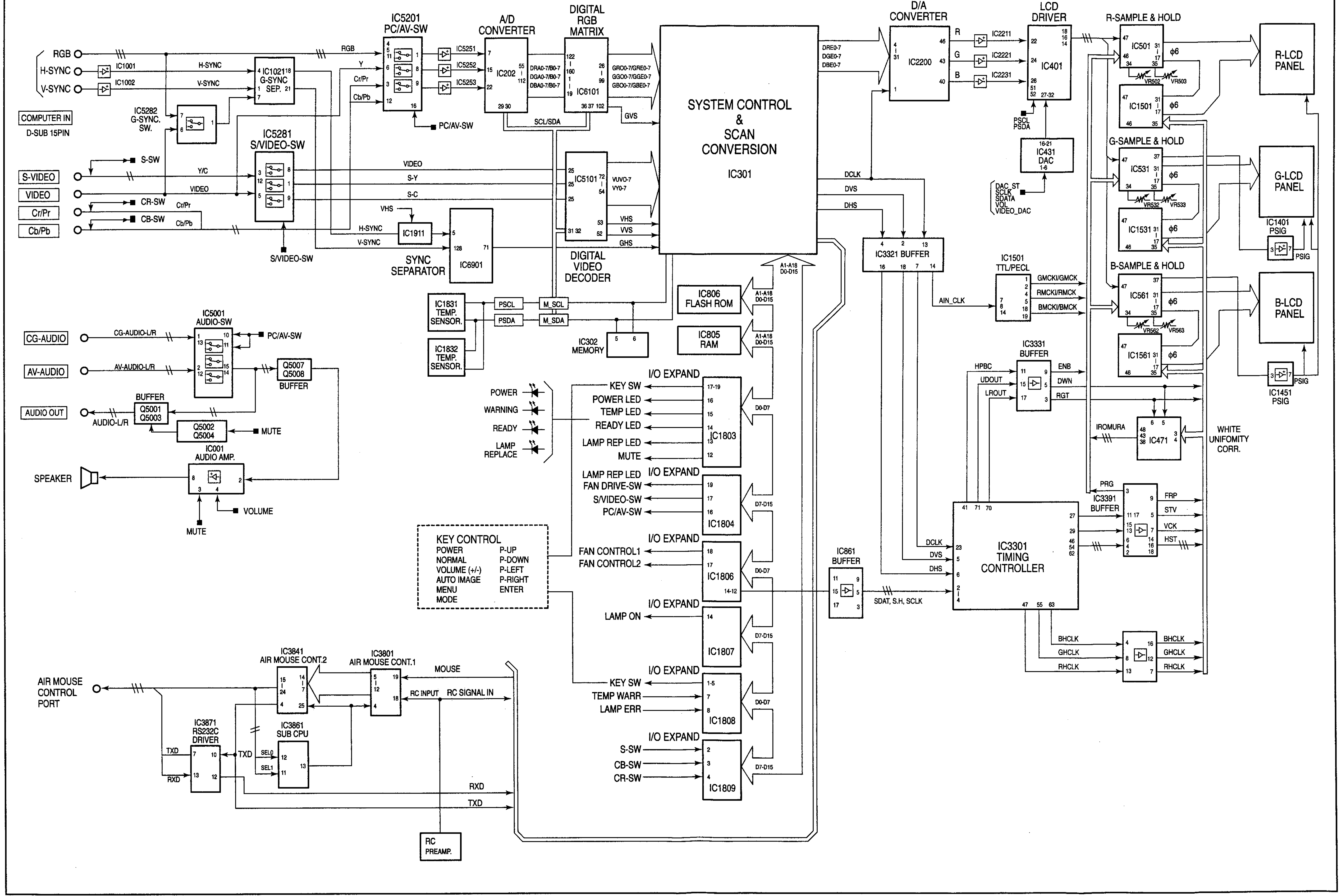
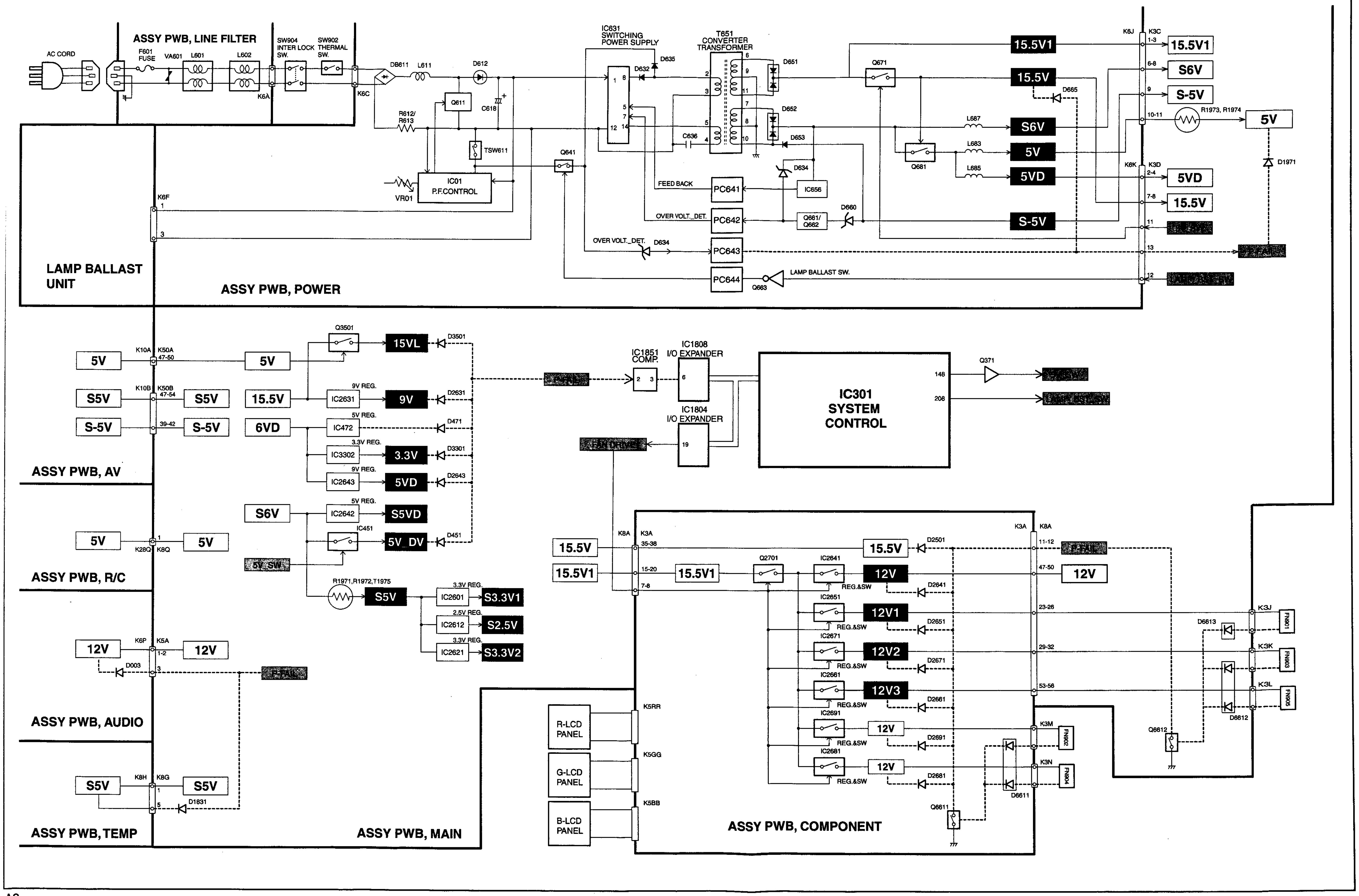
79
75
71
72
76
66
81
65
61
64
63
68
82

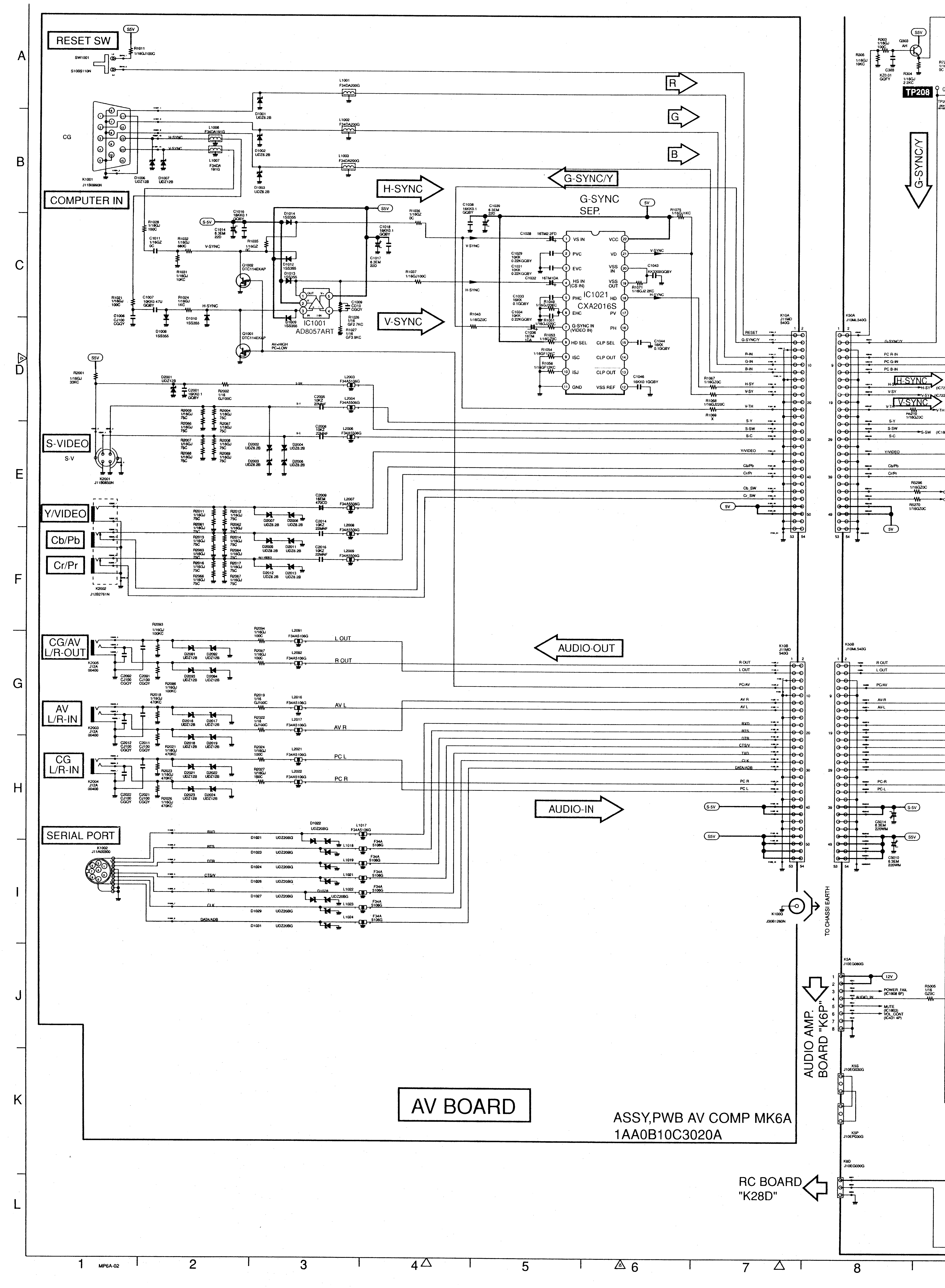

70
50
50
50
50

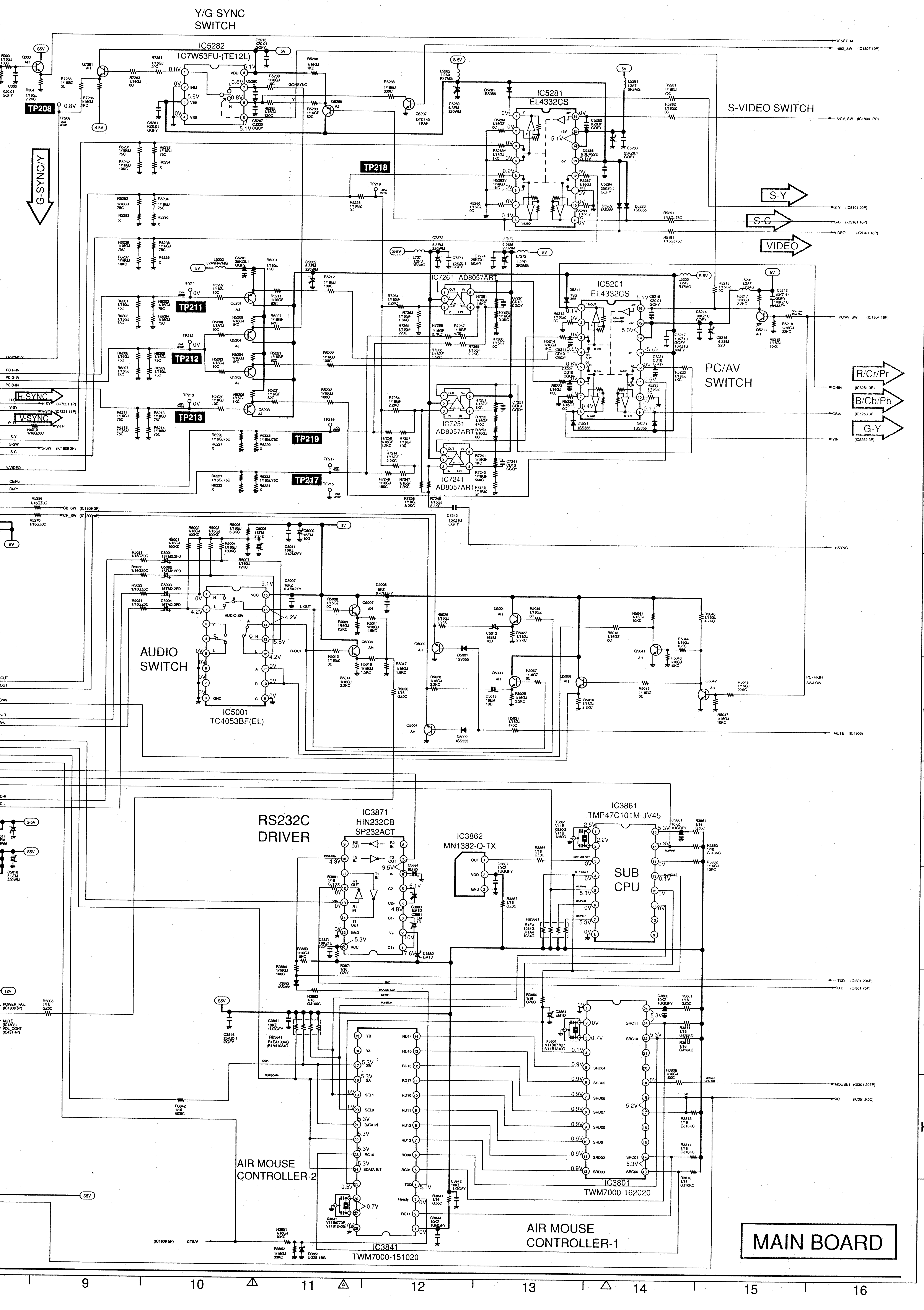
■ Circuit Block Diagram (PLC-XW10)


RGB
H-SYNC
V-SYNC
COMPUTER IN
D-SUB 15PIN
IC1001
IC1002
IC1021 G-SYNC SEP.
IC5282 G-SYNC. SW.
IC5201 PC/AV-SW
IC5251
IC5252
IC5253
PC/AV-SW
A/D CONVERTER
IC202
DIGITAL RGB MATRIX
IC6101
DRA0-7/B0-7
DGA0-7/B0-7
DBA0-7/B0-7
GRO0-7/GRE0-7
GGO0-7/GGE0-7
GBO0-7/GBE0-7
SCL/SDA
GVS
SYSTEM CONTROL & SCAN CONVERSION
IC301
S-VIDEO
VIDEO
Cr/Pr
Cb/Pb
S-SW
CR-SW
CB-SW
Y/C
IC5281 S/VIDEO-SW
S/VIDEO-SW
S-Y
S-C
VHS
H-SYNC
V-SYNC
IC1911
SYNC SEPARATOR
IC6901
IC5101
VUVO-7
VY0-7
VVS
GHS
DIGITAL VIDEO DECODER
IC1831 TEMP. SENSOR.
IC1832 TEMP. SENSOR.
PSCL
PSDA
M_SCL
M_SDA
IC302 MEMORY
A1-A18 D0-D15
IC806 FLASH ROM
IC805 RAM
D/A CONVERTER
DRE0-7
DGE0-7
DBE0-7
IC2200
R
G
B
IC2211
IC2221
IC2231
LCD DRIVER
IC401
PSCL
PSDA
IC431 DAC
DAC_ST
SCLK
SDATA
VOL
VIDEO_DAC
DCLK
DVS
DHS
IC3321 BUFFER
R-SAMPLE & HOLD
IC501
IC1501
VR502
VR503
φ6
R-LCD PANEL
G-SAMPLE & HOLD
IC531
IC1531
VR532
VR533
G-LCD PANEL
IC1401 PSIG
B-SAMPLE & HOLD
IC561
IC1561
VR562
VR563
B-LCD PANEL
IC1451 PSIG
IC1501 TTL/PECL
AIN_CLK
GMCKI/GMCK
RMCKI/RMCK
BMCKI/BMCK
IC3331 BUFFER
HPBC
UDOUT
LROUT
ENB
DWN
RGT
IROMURA
IC471
WHITE UNIFOMITY CORR.
PRG
IC3391 BUFFER
FRP
STV
VCK
HST
IC3301 TIMING CONTROLLER
IC861 BUFFER
SDAT, S.H, SCLK
BHCLK
GHCLK
RHCLK
CG-AUDIO
AV-AUDIO
CG-AUDIO-L/R
AV-AUDIO-L/R
IC5001 AUDIO-SW
PC/AV-SW
Q5007 Q5008 BUFFER
BUFFER Q5001 Q5003
AUDIO OUT
AUDIO-L/R
Q5002 Q5004
MUTE
IC001 AUDIO AMP.
SPEAKER
VOLUME
MUTE
POWER
WARNING
READY
LAMP REPLACE
I/O EXPAND
KEY SW
POWER LED
TEMP LED
READY LED
LAMP REP LED
MUTE
IC1803
LAMP REP LED
FAN DRIVE-SW
S/VIDEO-SW
PC/AV-SW
IC1804
FAN CONTROL1
FAN CONTROL2
IC1806
LAMP ON
IC1807
KEY SW
TEMP WARR
LAMP ERR
IC1808
S-SW
CB-SW
CR-SW
IC1809
D0-D7
D7-D15
KEY CONTROL
POWER
NORMAL
VOLUME (+/-)
AUTO IMAGE
MENU
MODE
P-UP
P-DOWN
P-LEFT
P-RIGHT
ENTER
AIR MOUSE CONTROL PORT
IC3841 AIR MOUSE CONT.2
IC3801 AIR MOUSE CONT.1
MOUSE
RC INPUT
RC SIGNAL IN
IC3871 RS232C DRIVER
TXD
RXD
IC3861 SUB CPU
SEL0
SEL1
RC PREAMP.

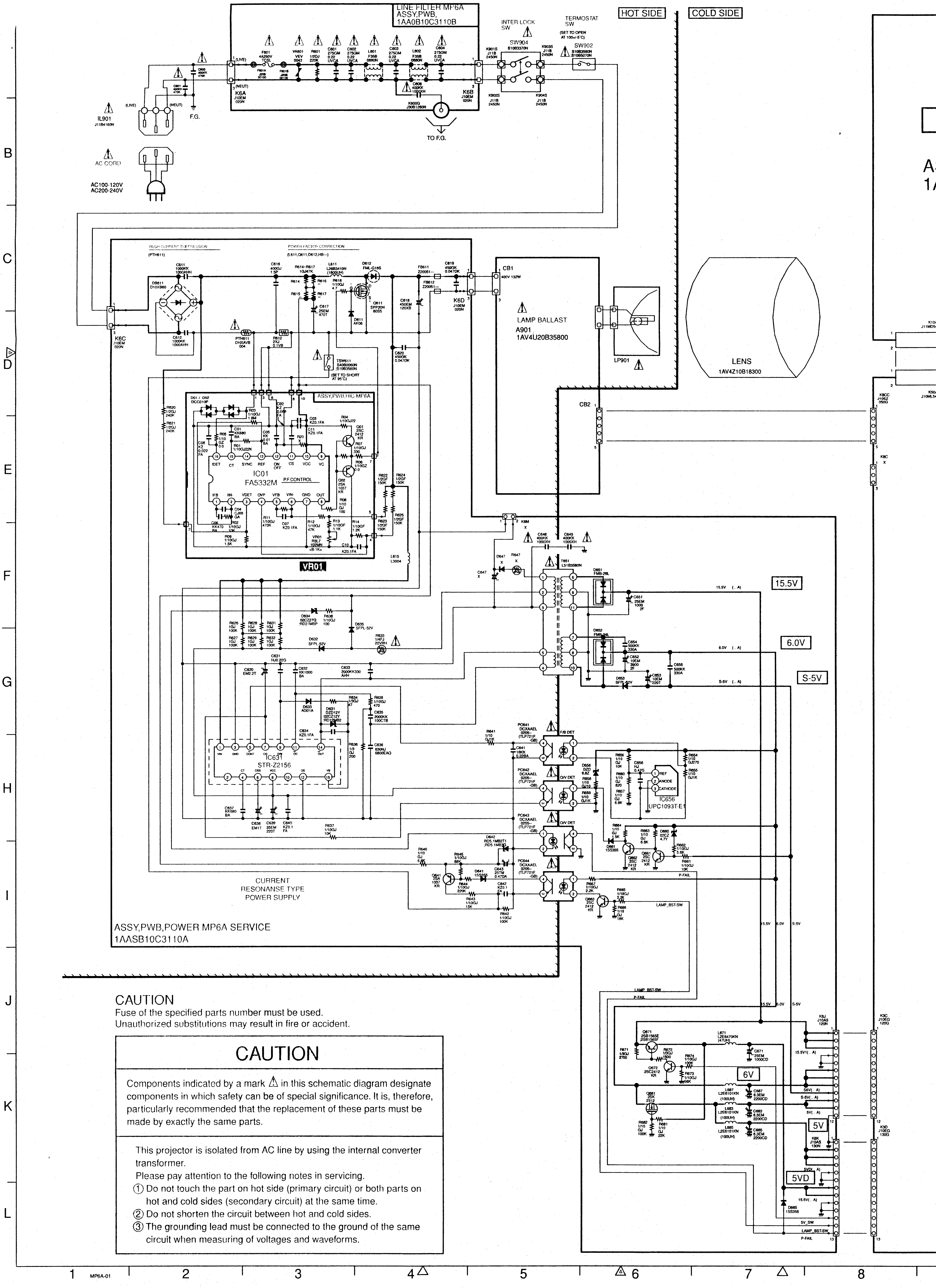
■ Power Supply Lines (PLC-XW10)


AC CORD
ASSY PWB, LINE FILTER
F601 FUSE
VA601
L601
L602
SW904 INTER LOCK SW.
SW902 THERMAL SW.
K6A
K6C
DB611
L611
D612
Q611
C618
R612/ R613
TSW611
IC01 P.F.CONTROL
VR01
Q641
IC631 SWITCHING POWER SUPPLY
D635
D632
C636
T651 CONVERTER TRANSFORMER
D651
D652
D653
D634
IC656
D660
Q661/ Q662
FEED BACK
OVER VOLT._DET.
PC641
PC642
PC643
PC644
Q663
LAMP BALLAST SW.
Q671
Q681
D665
L687
L683
L685
15.5V1
15.5V
S6V
5V
5VD
S-5V
K6J
K3C
K6K
K3D
R1973, R1974
D1971
K6F
LAMP BALLAST UNIT
ASSY PWB, POWER
Q3501
15VL
D3501
K10A
K50A
K10B
K50B
5V
S5V
S-5V
15.5V
6VD
S6V
9V REG.
IC2631
9V
D2631
5V REG.
IC472
D471
3.3V REG.
IC3302
3.3V
D3301
9V REG.
IC2643
5VD
D2643
5V REG.
IC2642
S5VD
IC451
5V_DV
D451
5V_SW
R1971,R1972,T1975
3.3V REG.
IC2601
S3.3V1
2.5V REG.
IC2612
S2.5V
3.3V REG.
IC2621
S3.3V2
ASSY PWB, AV
K28Q
K8Q
ASSY PWB, R/C
12V
K6P
K5A
D003
F-FAN
ASSY PWB, AUDIO
K8H
K8G
D1831
ASSY PWB, TEMP
ASSY PWB, MAIN
IC1851 COMP.
IC1808 I/O EXPANDER
IC1804 I/O EXPANDER
IC301 SYSTEM CONTROL
Q371
K8A
K3A
Q2701
IC2641
12V
REG.&SW
D2641
IC2651
12V1
D2651
IC2671
12V2
D2671
IC2661
12V3
D2661
IC2691
D2691
IC2681
D2681
15.5V
D2501
K3A
K8A
R-LCD PANEL
G-LCD PANEL
B-LCD PANEL
K5RR
K5GG
K5BB
ASSY PWB, COMPONENT
Q6611
D6611
K3J
K3K
K3L
K3M
K3N
D6613
D6612
Q6612
FN901
FN903
FN905
FN902
FN904


RESET SW
COMPUTER IN
CG
R
G
B
G-SYNC/Y
H-SYNC
V-SYNC
G-SYNC SEP.
IC1021 CXA2016S
IC1001 AD8057ART
S-VIDEO
Y/VIDEO
Cb/Pb
Cr/Pr
CG/AV L/R-OUT
AV L/R-IN
CG L/R-IN
SERIAL PORT
AUDIO-OUT
AUDIO-IN
L OUT
R OUT
AV L
AV R
PC L
PC R
K10A J11MD 540G
K10B J11MD 540G
K50A J10ML540G
K50B J10ML540G
TO CHASSI EARTH
AUDIO AMP. BOARD "K6P"
RC BOARD "K28D"
AV BOARD
ASSY,PWB AV COMP MK6A
1AA0B10C3020A
TP208
MP6A-02
A
B
C
D
E
F
G
H
I
J
K
L
1
2
3
4
5
6
7
8


Y/G-SYNC
SWITCH
IC5282
TC7W53FU-(TE12L)
TP208
G-SYNC/Y
IC5281
EL4332CS
S-VIDEO SWITCH
TP218
S-Y
S-C
VIDEO
IC7261 AD8057ART
IC5201
EL4332CS
TP211
TP212
TP213
H-SYNC
V-SYNC
TP219
TP217
IC7251
AD8057ART
IC7241
AD8057ART
PC/AV
SWITCH
R/Cr/Pr
B/Cb/Pb
G-Y
AUDIO
SWITCH
IC5001
TC4053BF(EL)
RS232C
DRIVER
IC3871
HIN232CB
SP232ACT
IC3862
MN1382-Q-TX
IC3861
TMP47C101M-JV45
SUB
CPU
AIR MOUSE
CONTROLLER-2
IC3841
TWM7000-151020
AIR MOUSE
CONTROLLER-1
IC3801
TWM7000-162020
MAIN BOARD
A
B
C
D
E
F
G
H
I
J
K
9
10
11
12
13
14
15
16

■ Schematic Diagrams PLC-XW10


LINE FILTER MP6A
ASSY,PWB,
1AA0B10C3110B
INTER LOCK SW
SW904
TERMOSTAT SW
(SET TO OPEN AT 100+/-5°C)
SW902
HOT SIDE
COLD SIDE
K6A
K6B
TO F.G.
IL901
F.G.
AC CORD
AC100-120V
AC200-240V
B
C
D
E
F
G
H
I
J
K
L
RUSH CURRENT SUPPRESSION
POWER FACTOR CORRECTION
K6C
K6D
CB1
LAMP BALLAST
A901
1AV4U20B35800
LP901
LENS
1AV4Z10B18300
CB2
ASSY,PWB,HIC MP6A
IC01
FA5332M
P.F.CONTROL
VR01
T851
15.5V
6.0V
S-5V
IC631
STR-Z2156
IC656
UPC1093T-E1
F/B DET
O/V DET
LAMP_BST-SW
P-FAIL
CURRENT RESONANSE TYPE POWER SUPPLY
ASSY,PWB,POWER MP6A SERVICE
1AASB10C3110A
6V
5V
5VD
1
MP6A-01
2
3
4
5
6
7
8

CAUTION

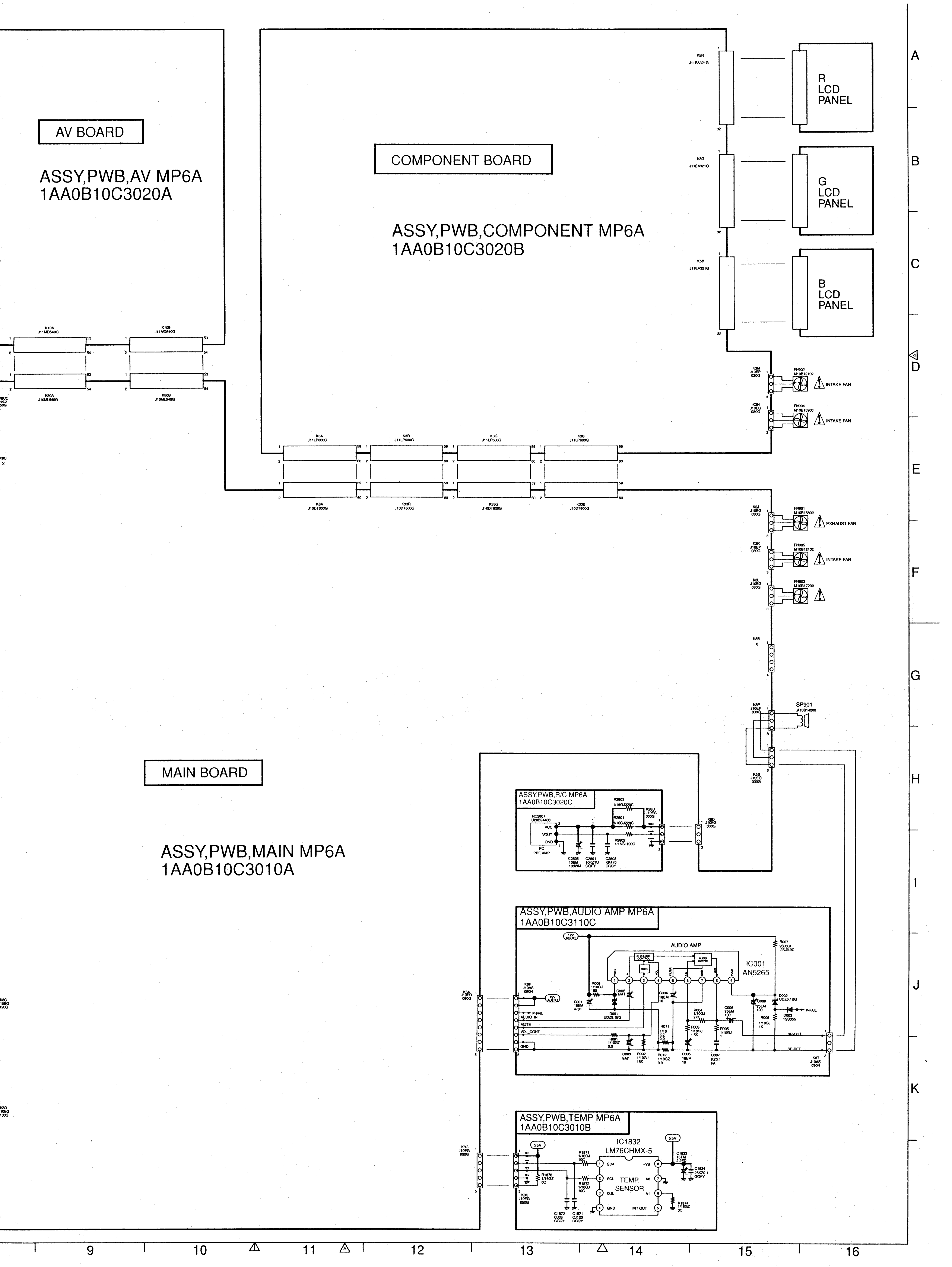
Fuse of the specified parts number must be used.
Unauthorized substitutions may result in fire or accident.

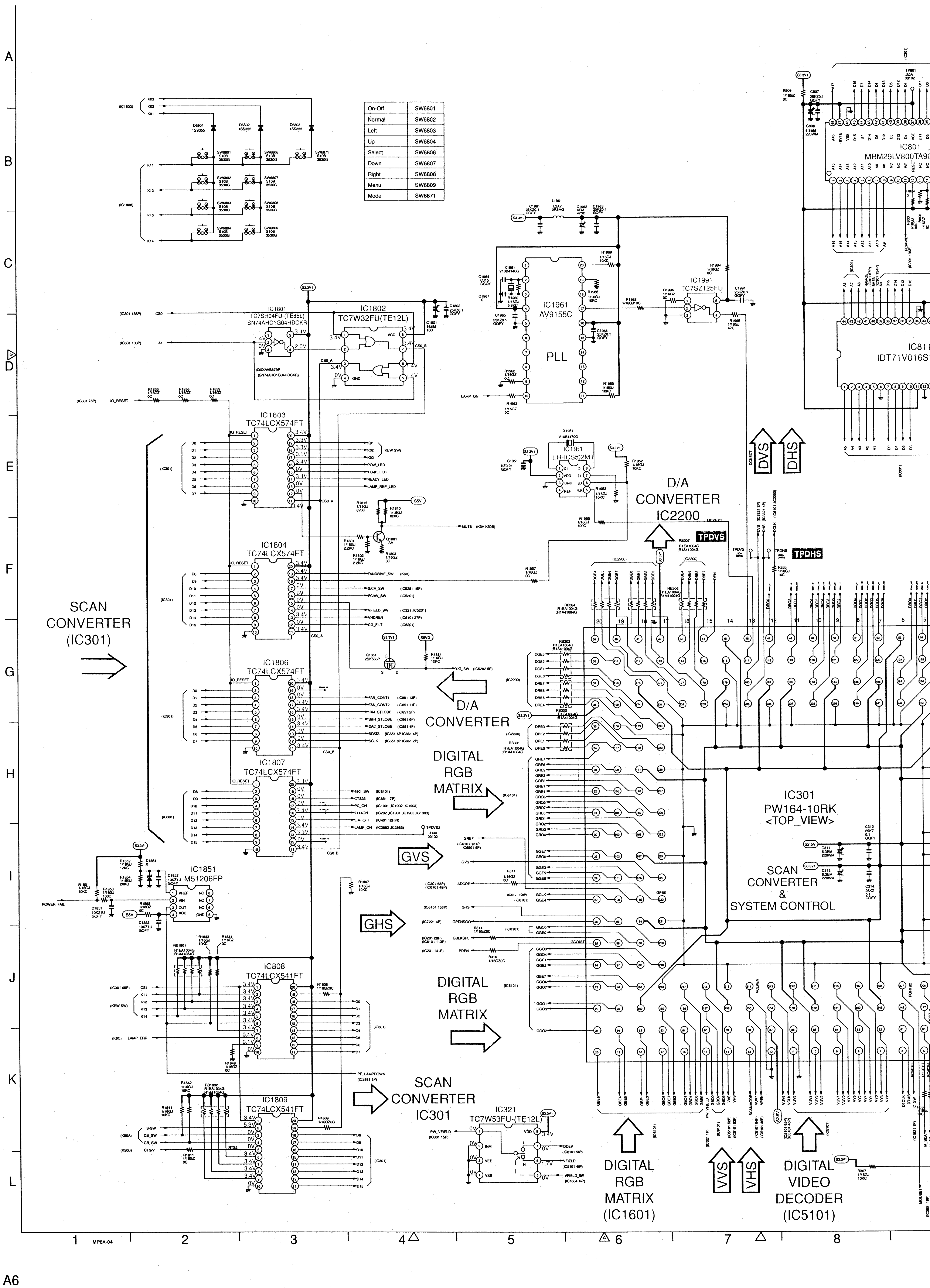
CAUTION

Components indicated by a mark ⚠ in this schematic diagram designate components in which safety can be of special significance. It is, therefore, particularly recommended that the replacement of these parts must be made by exactly the same parts.

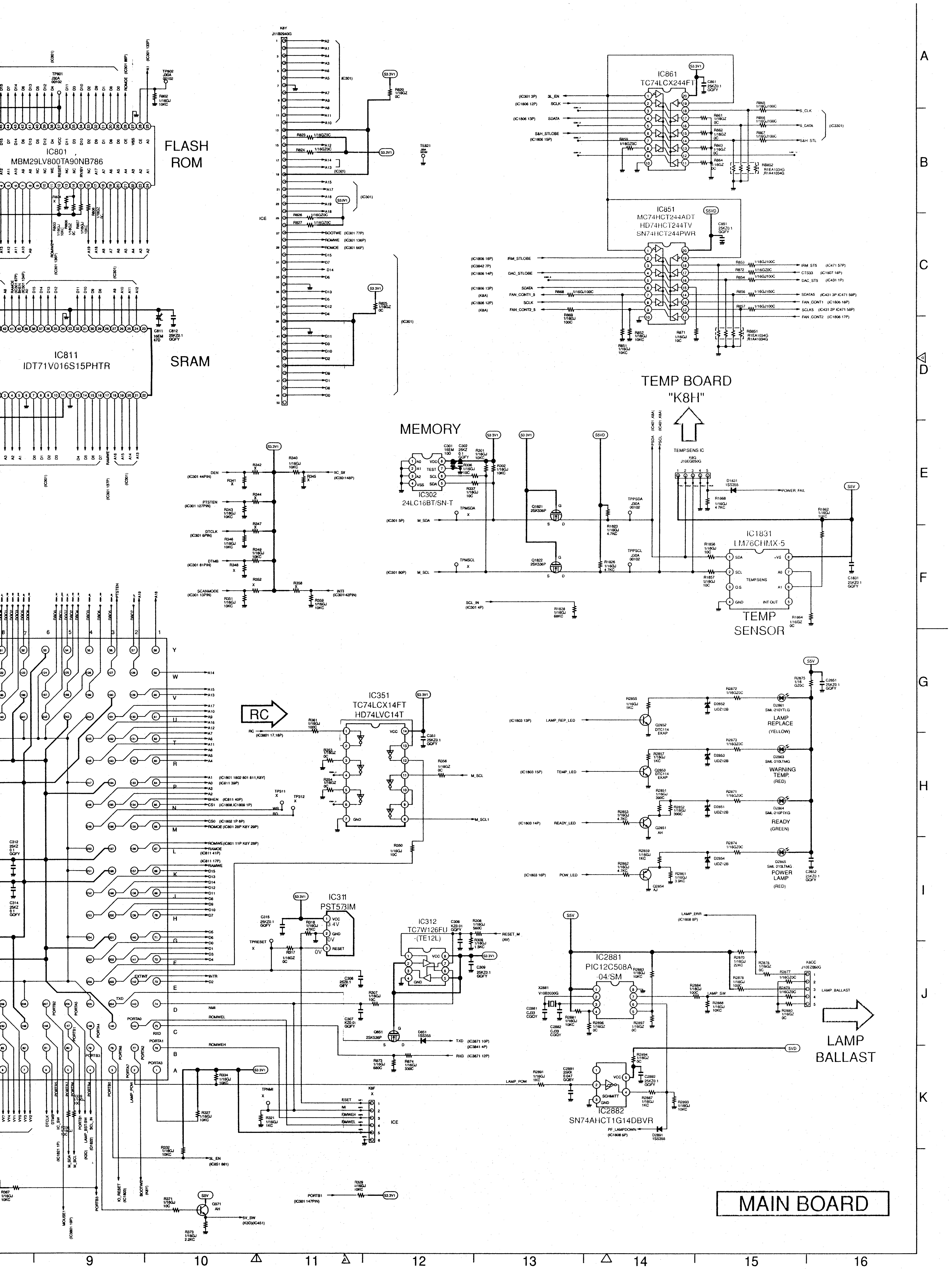
This projector is isolated from AC line by using the internal converter transformer.
Please pay attention to the following notes in servicing.

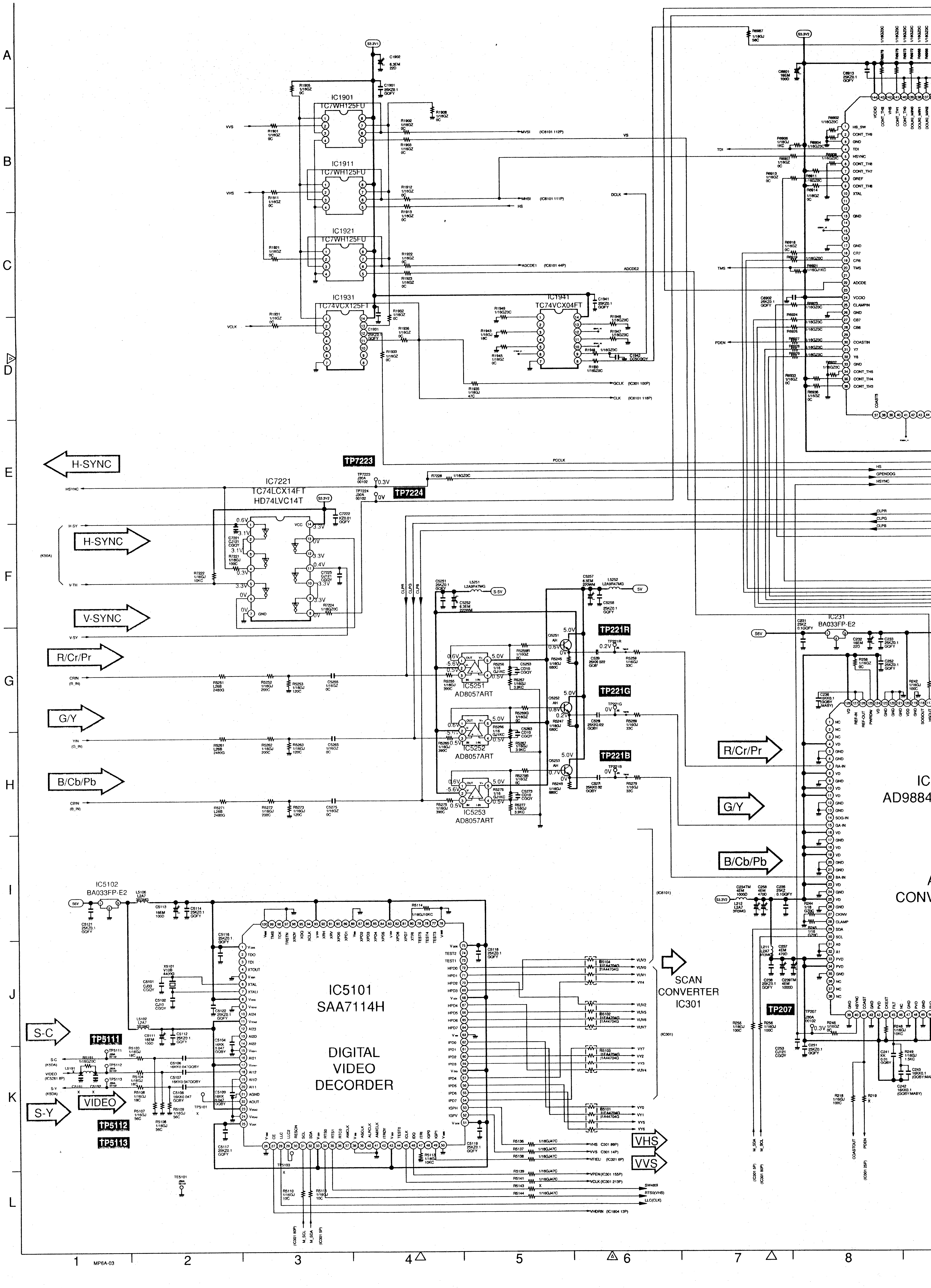
① Do not touch the part on hot side (primary circuit) or both parts on hot and cold sides (secondary circuit) at the same time.
② Do not shorten the circuit between hot and cold sides.
③ The grounding lead must be connected to the ground of the same circuit when measuring of voltages and waveforms.


AV BOARD
ASSY,PWB,AV MP6A
1AA0B10C3020A
COMPONENT BOARD
ASSY,PWB,COMPONENT MP6A
1AA0B10C3020B
K5R
J11EA321G
K5G
J11EA321G
K5B
J11EA321G
R
LCD
PANEL
G
LCD
PANEL
B
LCD
PANEL
K10A
J11MD540G
K10B
J11MD540G
K50A
J10ML540G
K50B
J10ML540G
K3A
J11LP600G
K3R
J11LP600G
K3G
J11LP600G
K3B
J11LP600G
K8A
J10DT600G
K33R
J10DT600G
K33G
J10DT600G
K33B
J10DT600G
K3M
J10EP
030G
FN902
M10B12102
INTAKE FAN
K3N
J10EG
030G
FN904
M10B15900
INTAKE FAN
K3J
J10EG
030G
FN901
M10B15800
EXHAUST FAN
K3K
J10EP
030G
FN905
M10B12102
INTAKE FAN
K3L
J10EG
030G
FN903
M10B17200
K8B
X
K5P
J10EP
030G
SP901
A10B14200
K5S
J10EG
030G
MAIN BOARD
ASSY,PWB,MAIN MP6A
1AA0B10C3010A
ASSY,PWB,R/C MP6A
1AA0B10C3020C
RC2801
U20B24400
VCC
VOUT
GND
RC
PRE AMP
R2803
1/16GJ220C
R2801
1/16GJ220C
R2802
1/16GJ100C
K28D
J10EG
030G
C2803
10EM
100WM
C2801
10KZ1U
GQFY
C2802
KK470
GQBY
K8D
J10EG
030G
ASSY,PWB,AUDIO AMP MP6A
1AA0B10C3110C
12V AUDIO
AUDIO AMP
DC VOLUME CONTROL
MUTE
AUDIO OUTPUT
VCC1
IN
VOL
FILTER
F.B.
GND
OUT
VCC2
IC001
AN5265
R007
2SJ3.9
:2SJ3.9C
K5A
J10EG
080G
K6P
J10AS
080N
P-FAIL
AUDIO_IN
MUTE
VOL_CONT
GND
R008
1/10GJ
180
C001
16EM
470T
C002
EM1
D001
UDZ9.1BG
C004
16EM
10
R001
1/10GZ
0.0
C003
EM1
R002
1/10GJ
18K
R011
1/10
GZ
0.0
R012
1/10GZ
0.0
R004
1/10GJ
27K
R003
1/10GJ
1.5K
C005
16EM
10
R005
1/10GJ
1
C007
KZ0.1
FA
C006
25EM
100
C008
25EM
100
D002
UDZ5.1BG
D003
1SS355
R006
1/10GJ
1K
SP-OUT
SP-RET
K6T
J10AS
030N
ASSY,PWB,TEMP MP6A
1AA0B10C3010B
K8G
J10EG
050G
K8H
J10EG
050G
S5V
R1870
1/16GZ
0C
R1871
1/16GJ
10C
R1872
1/16GJ
10C
C1872
CJ33
CGQY
C1871
CJ120
CGQY
IC1832
LM76CHMX-5
SDA
SCL
O.S.
GND
+VS
A0
A1
INT OUT
TEMP.
SENSOR
C1833
16TM
2.2FD
C1834
25KZ0.1
GQFY
R1874
1/16GZ
0C
A
B
C
D
E
F
G
H
I
J
K
9
10
11
12
13
14
15
16

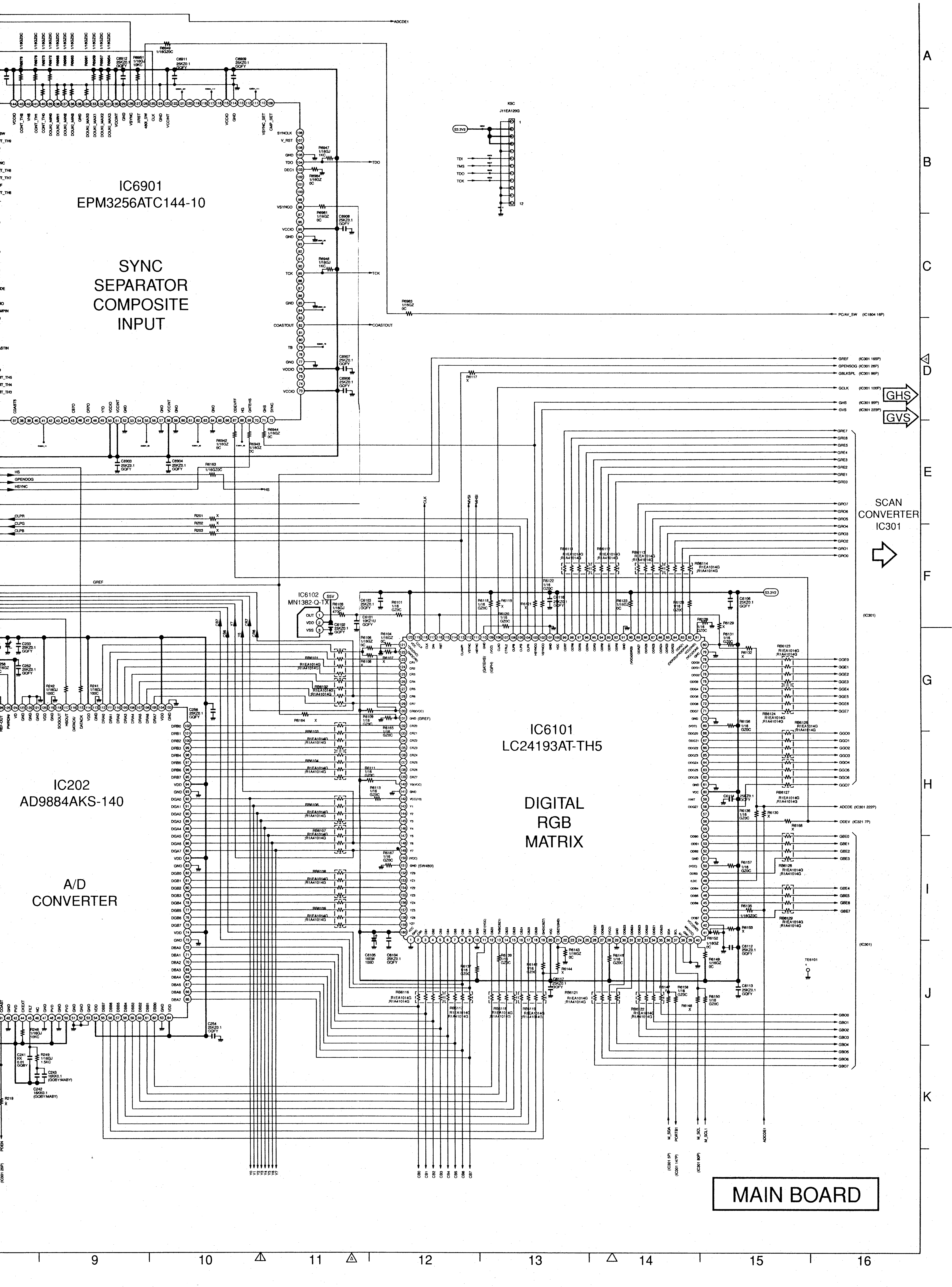

SCAN CONVERTER (IC301)
IC1801 TC7SH04FU-(TE85L) SN74AHC1G04HDCKR
IC1802 TC7W32FU(TE12L)
IC1803 TC74LCX574FT
IC1804 TC74LCX574FT
IC1806 TC74LCX574FT
IC1807 TC74LCX574FT
IC1851 M51206FP
IC808 TC74LCX541FT
IC1809 TC74LCX541FT
IC321 TC7W53FU-(TE12L)
IC1961 AV9155C
PLL
IC1951 ER-ICS502MT
IC1991 TC7SZ125FU
D/A CONVERTER IC2200
D/A CONVERTER
DIGITAL RGB MATRIX
GVS
GHS
SCAN CONVERTER IC301
IC301 PW164-10RK <TOP_VIEW>
SCAN CONVERTER & SYSTEM CONTROL
DVS
DHS
TPDVS
TPDHS
VVS
VHS
DIGITAL RGB MATRIX (IC1601)
DIGITAL VIDEO DECODER (IC5101)
IC801 MBM29LV800TA90
IC811 IDT71V016S
POWER_FAIL
IO_RESET
MUTE
LAMP_ON
LAMP_ERR
PF_LAMPDOWN
A
B
C
D
E
F
G
H
I
J
K
L
1
2
3
4
5
6
7
8
MP6A-04

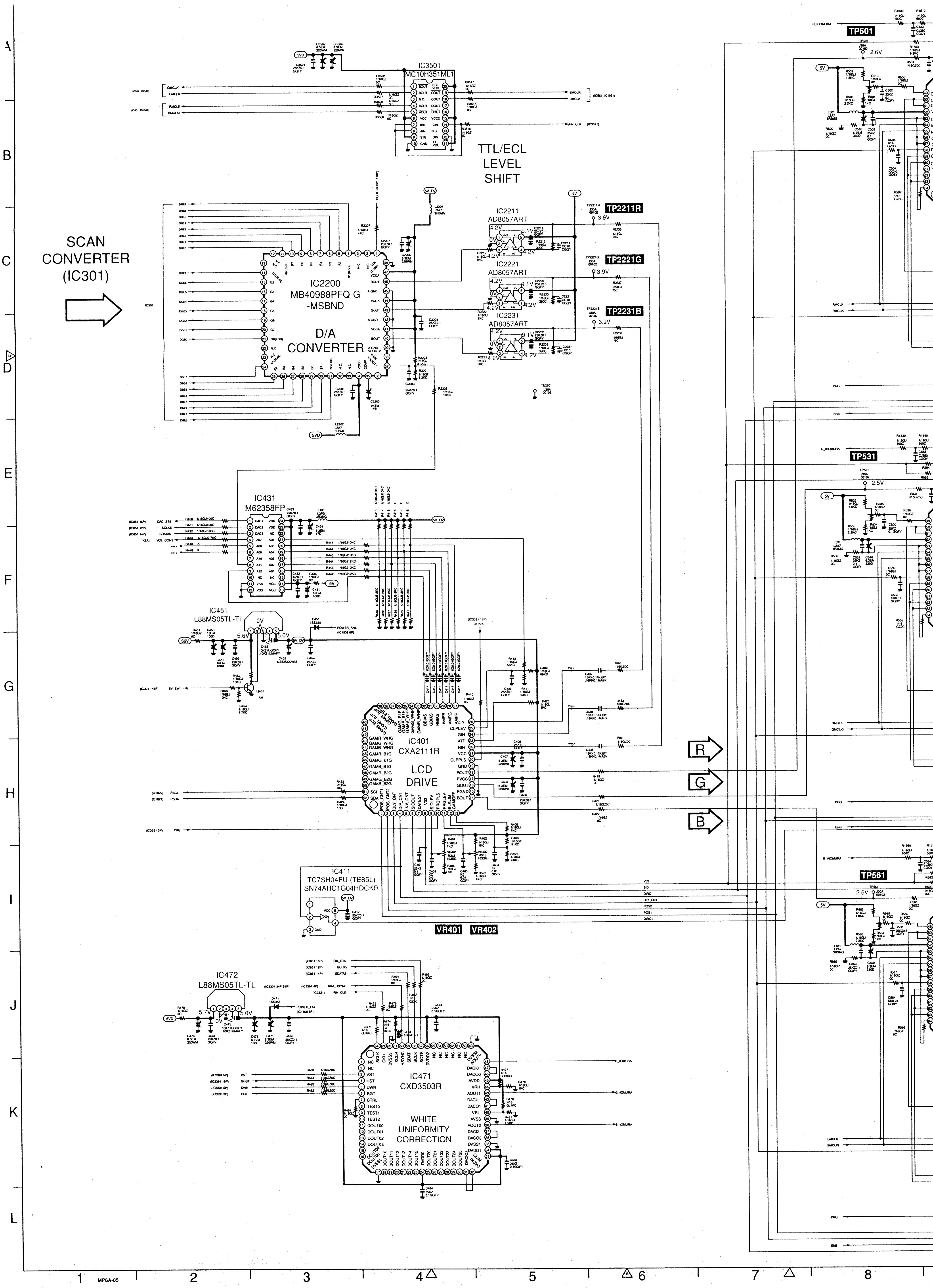
On-Off	SW6801
Normal	SW6802
Left	SW6803
Up	SW6804
Select	SW6806
Down	SW6807
Right	SW6808
Menu	SW6809
Mode	SW6871

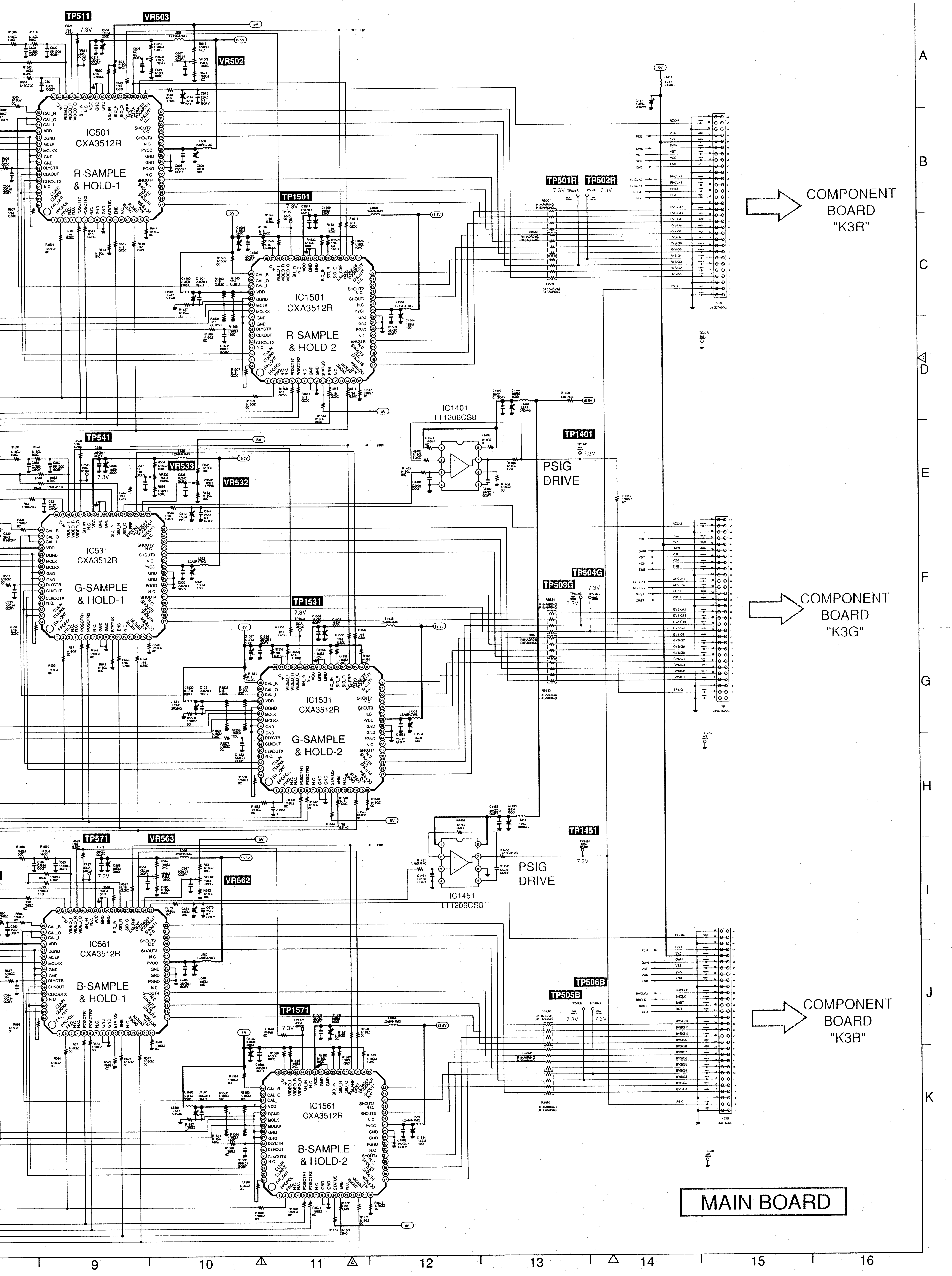

FLASH ROM
IC801
MBM29LV800TA90NB786
IC811
IDT71V016S15PHTR
SRAM
IC861
TC74LCX244FT
IC851
MC74HCT244ADT
HD74HCT244TV
SN74HCT244PWR
TEMP BOARD
"K8H"
MEMORY
IC302
24LC16BT/SN-T
IC1831
LM76CHMX-5
TEMP SENSOR
RC
IC351
TC74LCX14FT
HD74LVC14T
IC311
PST573IM
IC312
TC7W126FU
-(TE12L)
IC2881
PIC12C508A
-04/SM
IC2882
SN74AHCT1G14DBVR
LAMP REPLACE
(YELLOW)
WARNING TEMP.
(RED)
READY
(GREEN)
POWER LAMP
(RED)
LAMP BALLAST
MAIN BOARD
ICE
S_CLK
S_DATA
S&H_STL
M_SDA
M_SCL
S3.3V1
S5V
S5VD
A
B
C
D
E
F
G
H
I
J
K
9
10
11
12
13
14
15
16

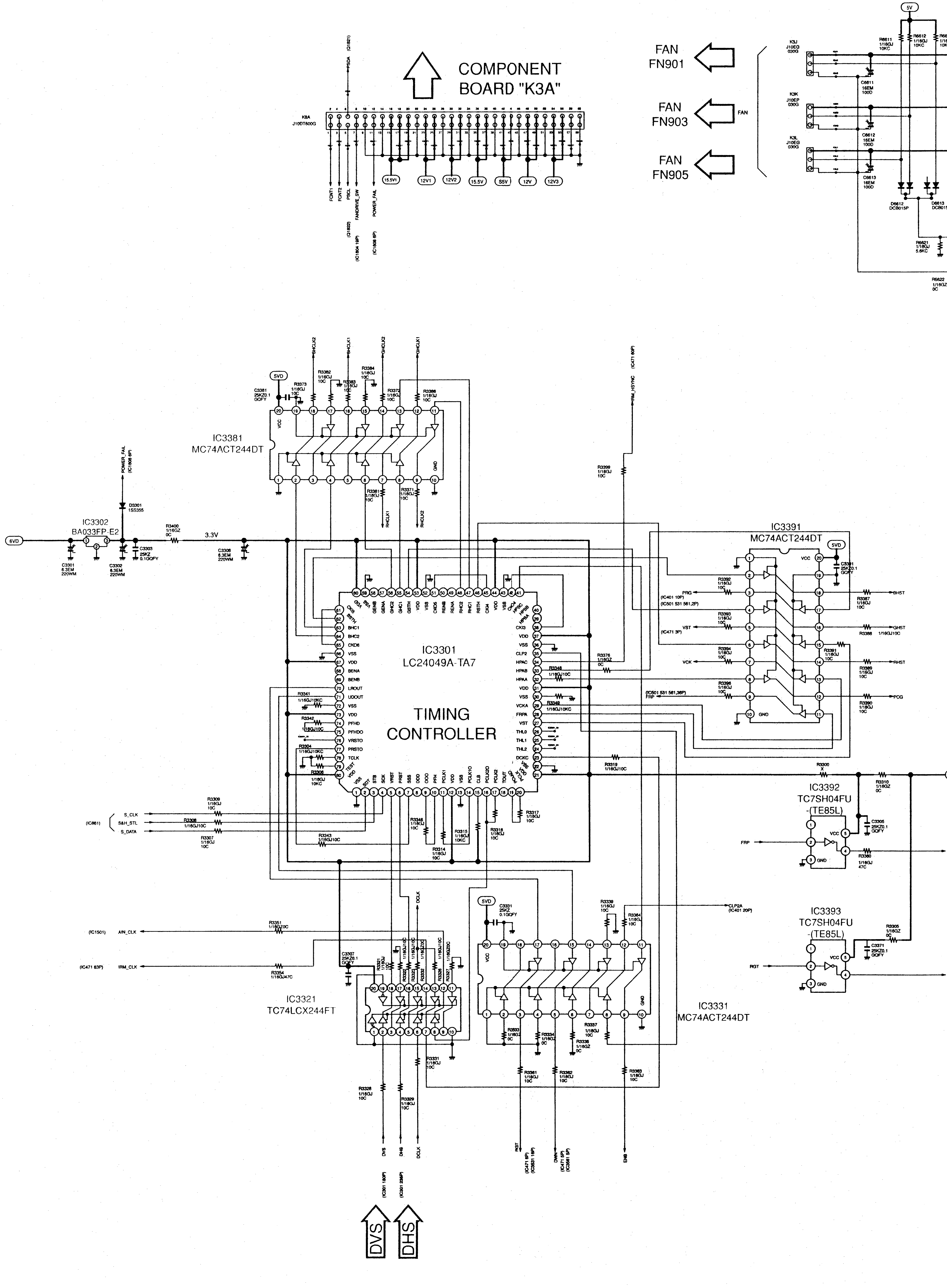
IC1901
TC7WH125FU
IC1911
TC7WH125FU
IC1921
TC7WH125FU
IC1931
TC74VCX125FT
IC1941
TC74VCX04FT
VVS
VHS
VCLK
MVSI
MHSI
HS
VS
DCLK
ADCDE1
ADCDE2
GCLK
CLK
PCCLK
H-SYNC
V-SYNC
TP7223
TP7224
IC7221
TC74LCX14FT
HD74LVC14T
R/Cr/Pr
G/Y
B/Cb/Pb
IC5251
AD8057ART
IC5252
AD8057ART
IC5253
AD8057ART
TP221R
TP221G
TP221B
CLPR
CLPG
CLPB
S-5V
5V
S6V
IC5102
BA033FP-E2
IC5101
SAA7114H
DIGITAL
VIDEO
DECORDER
S-C
S-Y
VIDEO
TP5111
TP5112
TP5113
SCAN
CONVERTER
IC301
VHS
VVS
SW480I
RTS0(VHS)
LLC(CLK)
VHDRN
IC231
BA033FP-E2
TP207
IC
AD9884
CONV
TDI
TMS
PDEN
HPENDOG
HSYNC
COASTOUT
M_SDA
M_SCL
A
B
C
D
E
F
G
H
I
J
K
L
1
2
3
4
5
6
7
8
MP6A-03

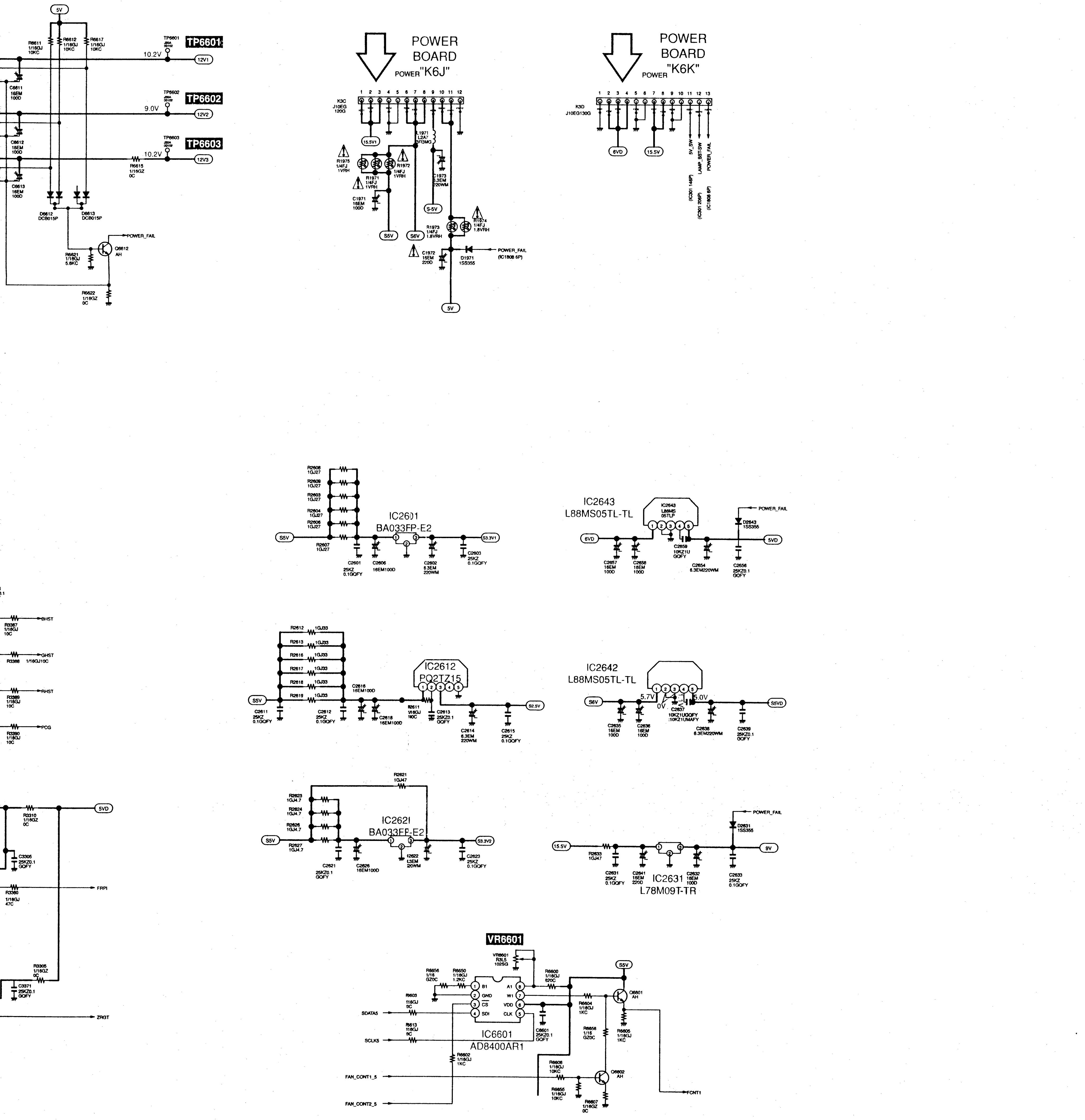
(MP6-XW1000)


IC6901
EPM3256ATC144-10
SYNC
SEPARATOR
COMPOSITE
INPUT
IC6102
MN1382-Q-TX
IC6101
LC24193AT-TH5
DIGITAL
RGB
MATRIX
IC202
AD9884AKS-140
A/D
CONVERTER
SCAN
CONVERTER
IC301
GHS
GVS
K5C
J11EA120G
S3.3V2
S5V
TDI
TMS
TDO
TCK
ADCDE1
COASTOUT
PC/AV_SW
GREF
GPENSOG
GBLKSPL
GCLK
HS
GPENDOG
HSYNC
CLPR
CLPG
CLPB
ADCDE
ODEV
M_SDA
PORTB1
M_SCL1
TE6101
MAIN BOARD
A
B
C
D
E
F
G
H
I
J
K
9
10
11
12
13
14
15
16


IC3501
MC10H351ML1
TTL/ECL LEVEL SHIFT
SCAN CONVERTER (IC301)
IC2200
MB40988PFQ-G -MSBND
D/A CONVERTER
IC2211
AD8057ART
IC2221
AD8057ART
IC2231
AD8057ART
TP2211R
TP2221G
TP2231B
IC431
M62358FP
IC451
L88MS05TL-TL
IC401
CXA2111R
LCD DRIVE
R
G
B
IC411
TC7SH04FU-(TE85L)
SN74AHC1G04HDCKR
VR401
VR402
IC472
L88MS05TL-TL
IC471
CXD3503R
WHITE UNIFORMITY CORRECTION
TP501
TP531
TP561
A
B
C
D
E
F
G
H
I
J
K
L
1
2
3
4
5
6
7
8
MP6A-05


TP511
VR503
VR502
IC501
CXA3512R
R-SAMPLE
& HOLD-1
TP1501
IC1501
CXA3512R
R-SAMPLE
& HOLD-2
TP501R
TP502R
7.3V
COMPONENT
BOARD
"K3R"
IC1401
LT1206CS8
TP1401
PSIG
DRIVE
TP541
VR533
VR532
IC531
CXA3512R
G-SAMPLE
& HOLD-1
TP1531
IC1531
CXA3512R
G-SAMPLE
& HOLD-2
TP503G
TP504G
COMPONENT
BOARD
"K3G"
TP571
VR563
VR562
IC561
CXA3512R
B-SAMPLE
& HOLD-1
TP1451
PSIG
DRIVE
IC1451
LT1206CS8
TP1571
IC1561
CXA3512R
B-SAMPLE
& HOLD-2
TP505B
TP506B
COMPONENT
BOARD
"K3B"
MAIN BOARD
5V
15.5V
A
B
C
D
E
F
G
H
I
J
K
9
10
11
12
13
14
15
16

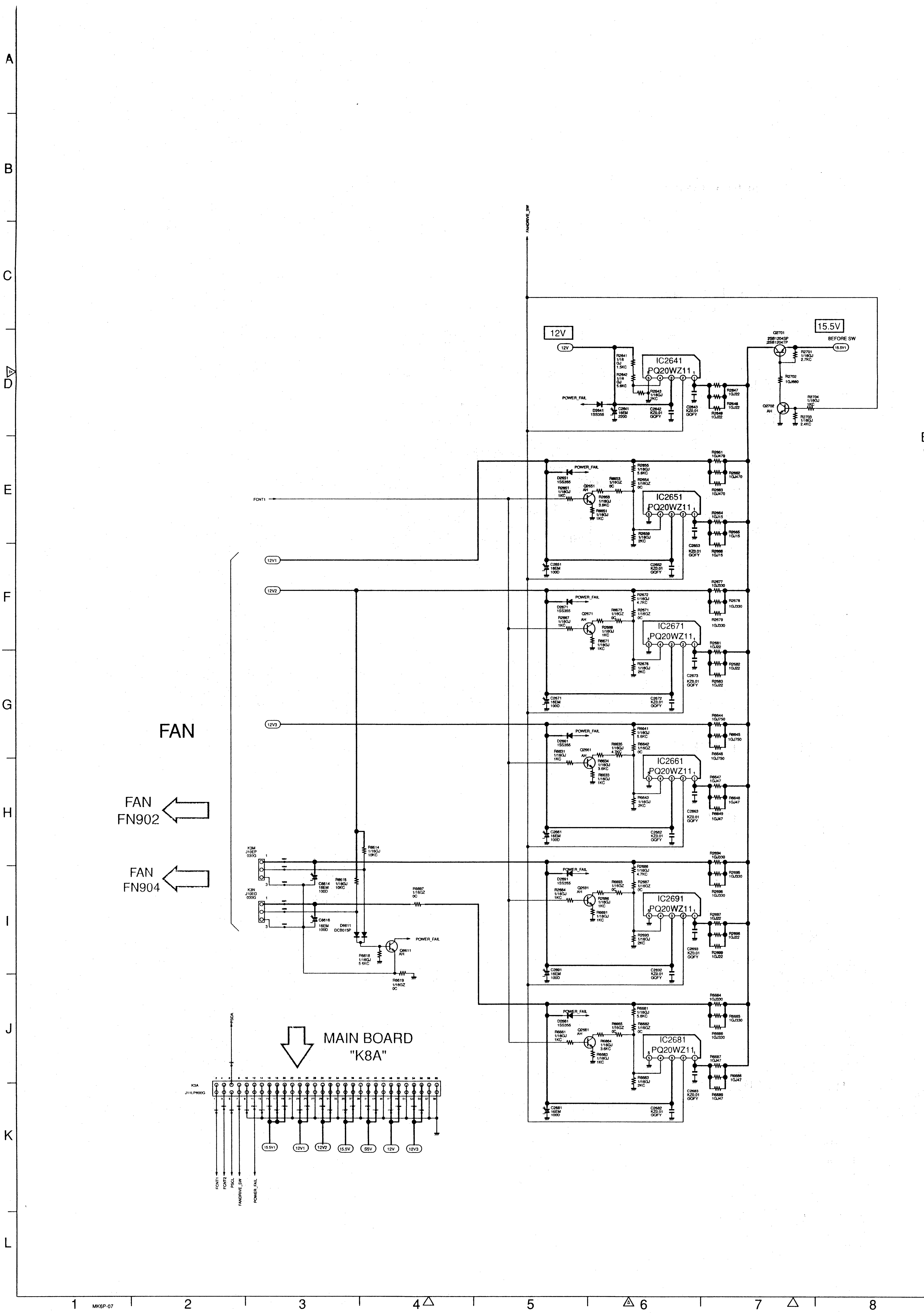

COMPONENT
BOARD "K3A"
K3A
J10DT600G
FONT1
FONT2
PSCL
FANDRIVE_SW
POWER_FAIL
PSDA
15.5V1
12V1
12V2
15.5V
S5V
12V
12V3
FAN
FN901
FAN
FN903
FAN
FN905
FAN
K3J
K3K
K3L
5V
C6611
C6612
C6613
D6612
DC8015P
D6613
R6611
R6612
R6621
R6622
IC3381
MC74ACT244DT
5VD
C3381
R3373
R3382
R3383
R3384
R3372
R3386
BHCLK2
BHCLK1
GHCLK2
GHCLK1
RHCLK1
RHCLK2
R3381
R3371
POWER_FAIL
D3301
1SS355
IC3302
BA033FP-E2
6VD
C3301
C3302
C3303
R3400
3.3V
C3308
IC3301
LC24049A-TA7
TIMING
CONTROLLER
IRM_HSYNC
R3399
IC3391
MC74ACT244DT
5VD
C3391
PRG
VST
VCK
FRP
BHST
GHST
RHST
PCG
R3387
R3388
R3389
R3390
R3392
R3393
R3394
R3396
R3376
R3348
R3349
R3319
R3300
R3310
IC3392
TC7SH04FU
-(TE85L)
C3305
R3360
FRP
IC3393
TC7SH04FU
-(TE85L)
C3371
R3305
RGT
S_CLK
S&H_STL
S_DATA
R3309
R3308
R3307
R3341
R3342
R3304
R3306
R3343
R3346
R3314
R3315
R3318
R3317
AIN_CLK
IRM_CLK
R3351
R3354
DCLK
IC3321
TC74LCX244FT
C3307
R3321
R3322
R3323
R3324
R3325
R3326
R3329
R3331
5VD
C3331
R3339
R3364
CLP2A
IC3331
MC74ACT244DT
R3333
R3334
R3335
R3336
R3337
R3361
R3362
R3363
DVS
DHS
DCLK
RGT
DWN
ENB
DVS
DHS

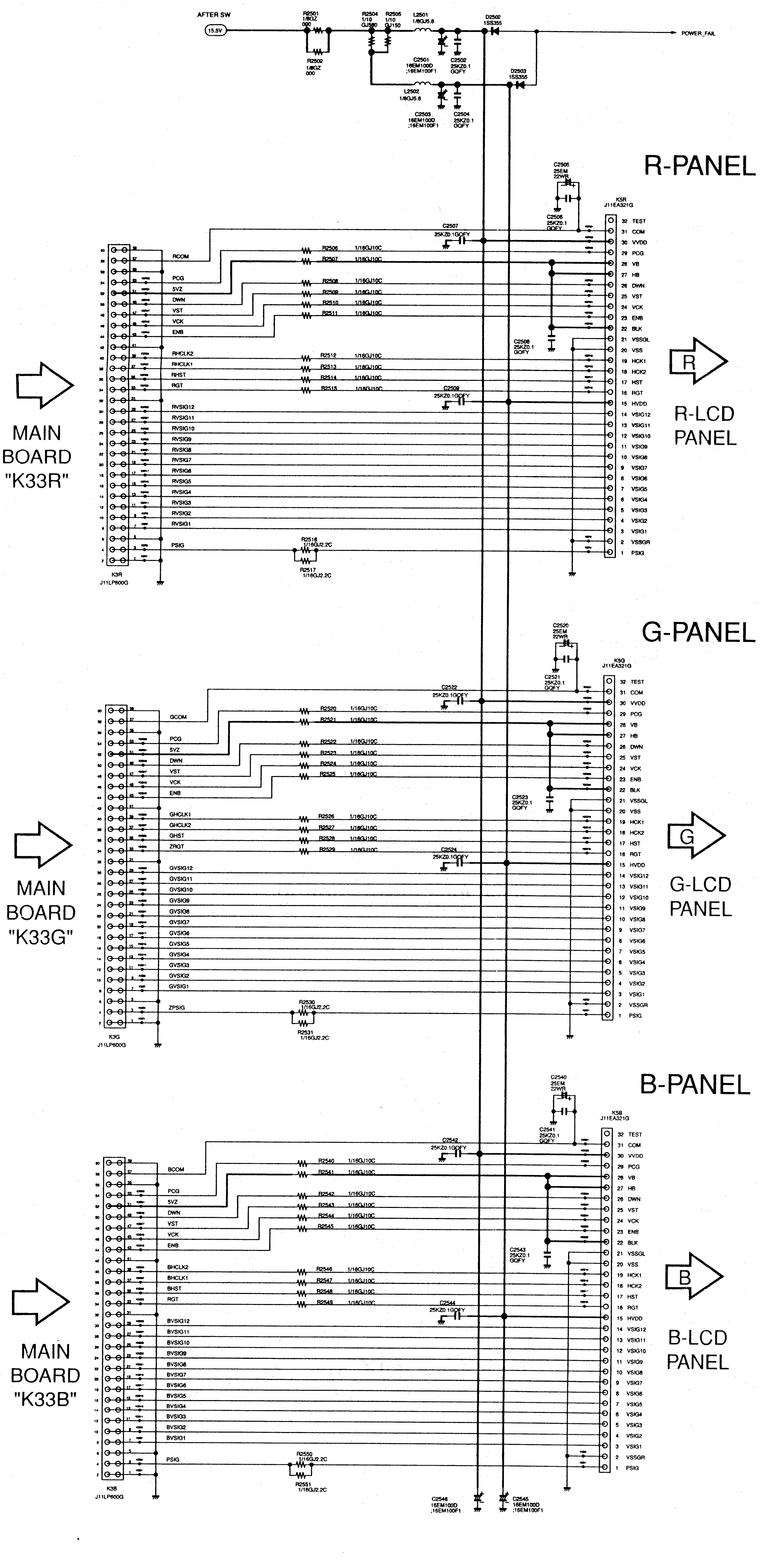

5V
TP6601
TP6602
TP6603
10.2V
9.0V
10.2V
12V1
12V2
12V3
D6612
DCB015P
D6613
DCB015P
Q6612
POWER_FAIL
POWER
BOARD
POWER "K6J"
K3C
J10EG
120G
15.5V1
S5V
S6V
S-5V
5V
D1971
1SS355
POWER
BOARD
POWER "K6K"
K3D
J10EG130G
8VD
15.5V
5V_SW
LAMP_BST-SW
POWER_FAIL
IC2601
BA033FP-E2
S5V
S3.3V1
IC2643
L88MS05TL-TL
8VD
5VD
IC2612
PQ2TZ15
S5V
S2.5V
IC2642
L88MS05TL-TL
S6V
5.7V
0V
5.0V
S5VD
IC2621
BA033FP-E2
S5V
S3.3V2
15.5V
9V
IC2631
L78M09T-TR
BHST
GHST
RHST
PCG
5VD
FRPI
ZRGT
VR6601
IC6601
AD8400AR1
B1
GND
CS
SDI
A1
W1
VDD
CLK
S5V
Q6601
Q6602
SDATA5
SCLK5
FAN_CONT1_5
FAN_CONT2_5
FCNT1

MAIN BOARD

9 10 11 12 13 14 15 16

(MP


A
B
C
D
E
F
G
H
I
J
K
L
1
2
3
4
5
6
7
8
MK6P-07
FAN
FAN
FN902
FAN
FN904
MAIN BOARD
"K8A"
12V
15.5V
BEFORE SW
FANDRIVE_SW
IC2641
PQ20WZ11
IC2651
PQ20WZ11
IC2671
PQ20WZ11
IC2661
PQ20WZ11
IC2691
PQ20WZ11
IC2681
PQ20WZ11
Q2701
2SB1204SP
2SB1204TP
Q2702
AH
POWER_FAIL
FCNT1
12V1
12V2
12V3
K3M
J10EP
030G
K3N
J10EQ
030G
Q6611
D6611
DCB015P
K3A
J11LP600G
15.5V1
12V1
12V2
15.5V
S5V
12V
12V3
FCNT1
FCNT2
PSGL
FANDRIVE_SW
POWER_FAIL
PSGA


AFTER SW
15.5V
R2501 1/8GZ 000
R2502 1/8GZ 000
R2504 1/10 GJ560
R2505 1/10 GJ150
L2501 1/8GJ5.6
L2502 1/8GJ5.6
C2501 16EM100D ;16EM100F1
C2502 25KZ0.1 GQFY
C2503 16EM100D ;16EM100F1
C2504 25KZ0.1 GQFY
D2502 1SS355
D2503 1SS355
POWER_FAIL
R-PANEL
C2505 25EM 22WR
C2506 25KZ0.1 GQFY
C2507 25KZ0.1GQFY
C2508 25KZ0.1 GQFY
C2509 25KZ0.1GQFY
K5R J11EA321G
32 TEST
31 COM
30 VVDD
29 PCG
28 VB
27 HB
26 DWN
25 VST
24 VCK
23 ENB
22 BLK
21 VSSGL
20 VSS
19 HCK1
18 HCK2
17 HST
16 RGT
15 HVDD
14 VSIG12
13 VSIG11
12 VSIG10
11 VSIG9
10 VSIG8
9 VSIG7
8 VSIG6
7 VSIG5
6 VSIG4
5 VSIG3
4 VSIG2
3 VSIG1
2 VSSGR
1 PSIG
RCOM
PCG
5VZ
DWN
VST
VCK
ENB
RHCLK2
RHCLK1
RHST
RGT
RVSIG12
RVSIG11
RVSIG10
RVSIG9
RVSIG8
RVSIG7
RVSIG6
RVSIG5
RVSIG4
RVSIG3
RVSIG2
RVSIG1
PSIG
R2506 1/16GJ10C
R2507 1/16GJ10C
R2508 1/16GJ10C
R2509 1/16GJ10C
R2510 1/16GJ10C
R2511 1/16GJ10C
R2512 1/16GJ10C
R2513 1/16GJ10C
R2514 1/16GJ10C
R2515 1/16GJ10C
R2516 1/16GJ2.2C
R2517 1/16GJ2.2C
K3R J11LP600G
MAIN BOARD "K33R"
R
R-LCD PANEL
G-PANEL
C2520 25EM 22WR
C2521 25KZ0.1 GQFY
C2522 25KZ0.1GQFY
C2523 25KZ0.1 GQFY
C2524 25KZ0.1GQFY
K5G J11EA321G
GCOM
GHCLK1
GHCLK2
GHST
ZRGT
GVSIG12
GVSIG11
GVSIG10
GVSIG9
GVSIG8
GVSIG7
GVSIG6
GVSIG5
GVSIG4
GVSIG3
GVSIG2
GVSIG1
ZPSIG
R2520 1/16GJ10C
R2521 1/16GJ10C
R2522 1/16GJ10C
R2523 1/16GJ10C
R2524 1/16GJ10C
R2525 1/16GJ10C
R2526 1/16GJ10C
R2527 1/16GJ10C
R2528 1/16GJ10C
R2529 1/16GJ10C
R2530 1/16GJ2.2C
R2531 1/16GJ2.2C
K3G J11LP600G
MAIN BOARD "K33G"
G
G-LCD PANEL
B-PANEL
C2540 25EM 22WR
C2541 25KZ0.1 GQFY
C2542 25KZ0.1GQFY
C2543 25KZ0.1 GQFY
C2544 25KZ0.1GQFY
C2545 16EM100D ;16EM100F1
C2546 16EM100D ;16EM100F1
K5B J11EA321G
BCOM
BHCLK2
BHCLK1
BHST
RGT
BVSIG12
BVSIG11
BVSIG10
BVSIG9
BVSIG8
BVSIG7
BVSIG6
BVSIG5
BVSIG4
BVSIG3
BVSIG2
BVSIG1
PSIG
R2540 1/16GJ10C
R2541 1/16GJ10C
R2542 1/16GJ10C
R2543 1/16GJ10C
R2544 1/16GJ10C
R2545 1/16GJ10C
R2546 1/16GJ10C
R2547 1/16GJ10C
R2548 1/16GJ10C
R2549 1/16GJ10C
R2550 1/16GJ2.2C
R2551 1/16GJ2.2C
K3B J11LP600G
MAIN BOARD "K33B"
B
B-LCD PANEL
A
B
C
D
E
F
G
H
I
J
K
9
10
11
12
13
14
15
16

COMPONENT BOARD

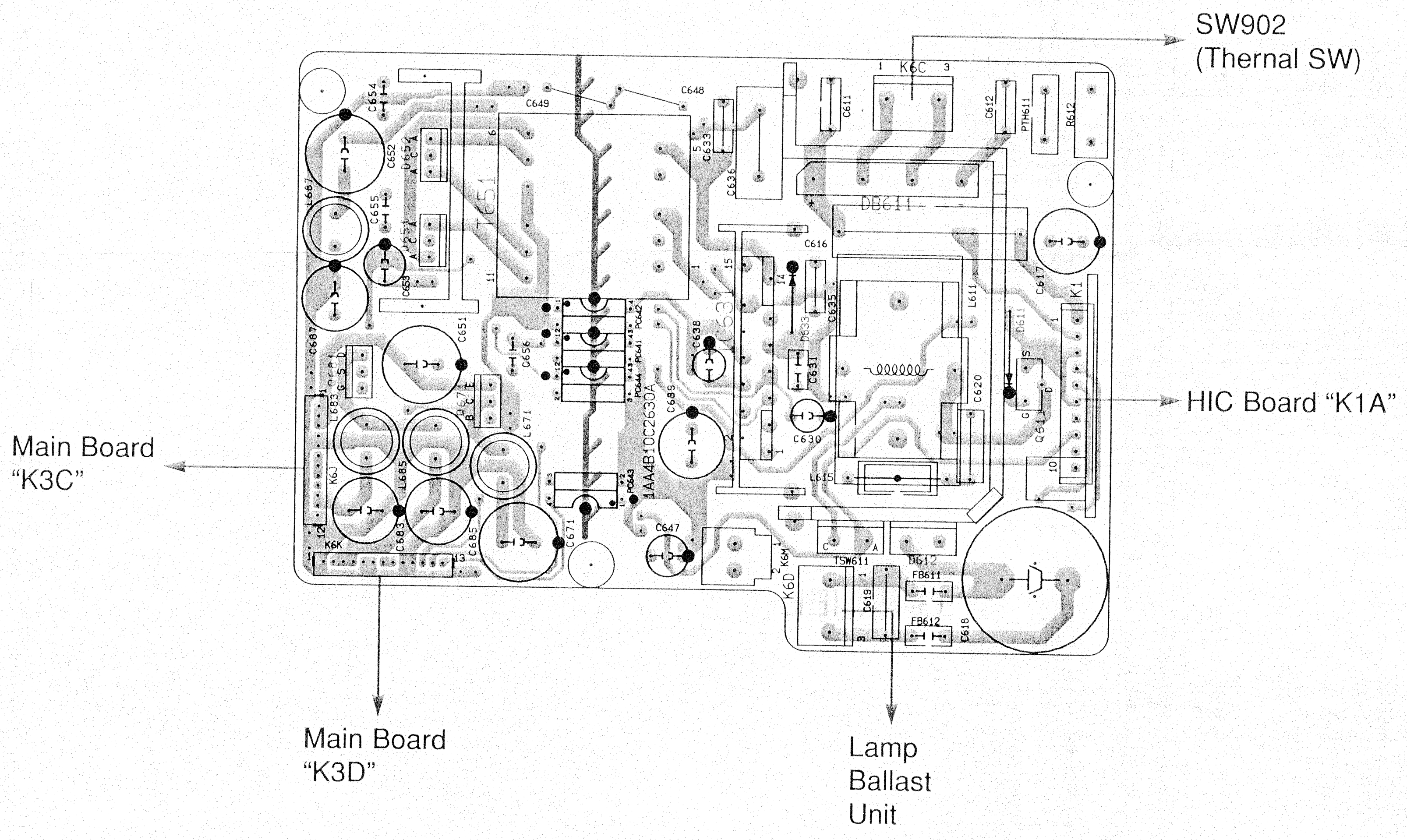
■ Printed Wiring Board Diagrams (PLC-XW10)

⚠ CAUTION

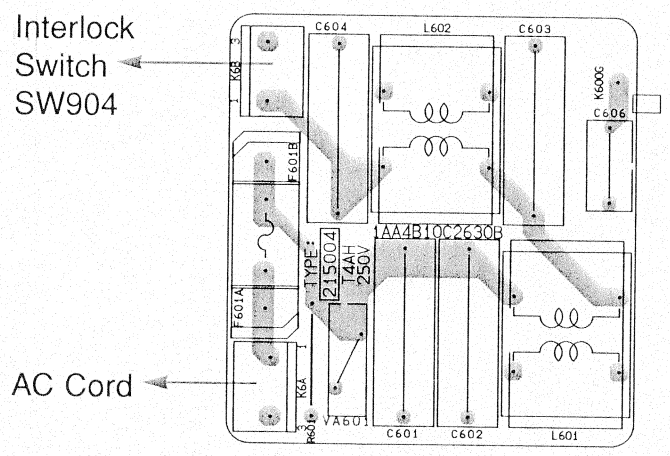
This projector is isolated from AC line by using the internal converter transformer.
Please pay attention to the following notes in servicing

1. Do not touch the part on hot side (primary circuit) or both parts on hot and cold sides (s circuit) at the same time.
2. Do not shorten the circuit between hot and cold sides.
3. The grounding lead must be connected to the ground of the same circuit when measurir ages and waveforms.

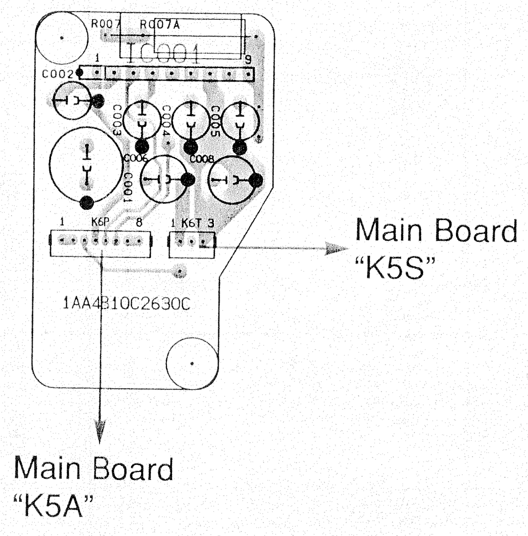
Power Board (SIDE:A)


SW902
(Thernal SW)
HIC Board "K1A"
Main Board
"K3C"
Main Board
"K3D"
Lamp
Ballast
Unit
1AA4B10C2630A
K6C
DB611
TSW611
FB611
FB612

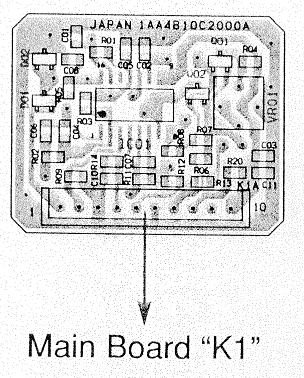
Line Filter Board (SIDE:A)


Interlock
Switch
SW904
AC Cord
C604
L602
C603
C606
1AA4B10C2630B
C601
C602
L601

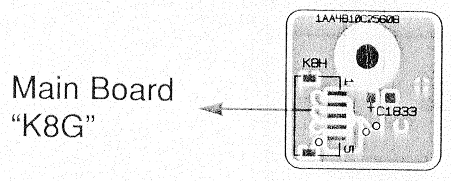
Audio Amp Board (SIDE:A)


IC001
1AA4B10C2630C
Main Board
"K5S"
Main Board
"K5A"

HIC Board (SIDE:A)


JAPAN 1AA4B10C2000A
VR01
Main Board "K1"

Temp Board (SIDE:A)

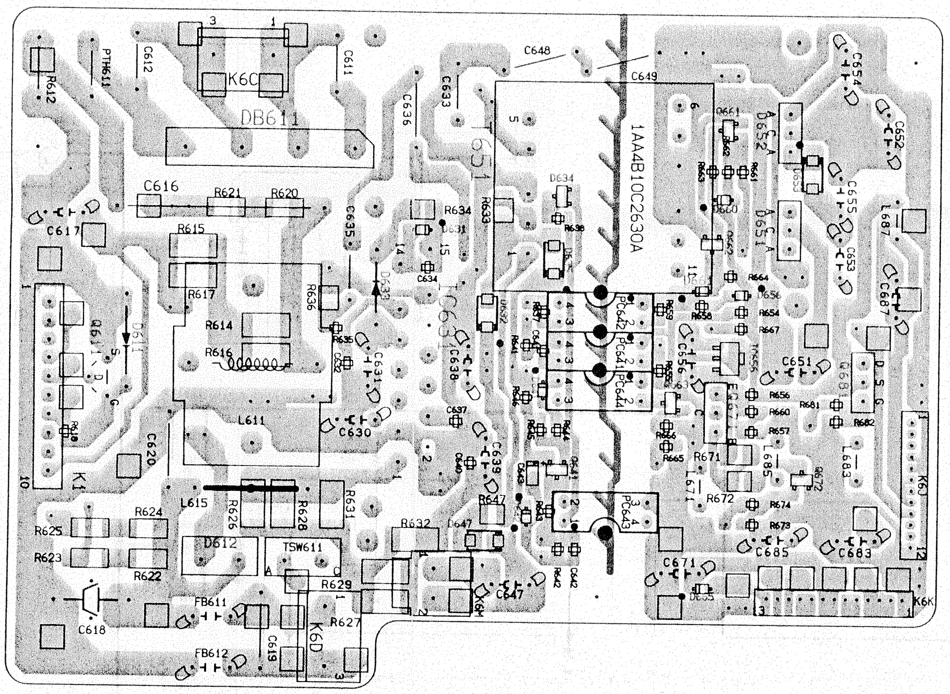

Main Board
"K8G"
K8H
IC1833

sformer.

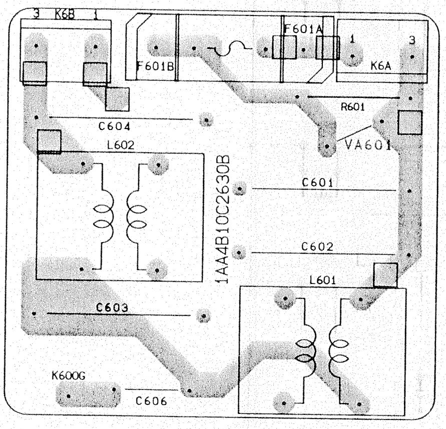
nd cold sides (secondary

t when measuring of volt-

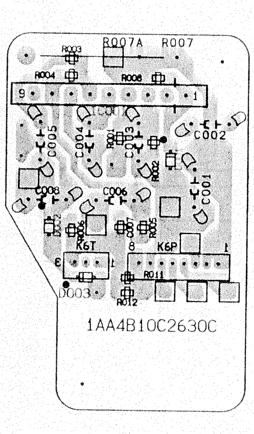
Power Board (SIDE:B)


1AA4B10C2630A
K6C
DB611
K1
K6D
K6J
K6K
PC641
PC642
PC643
D612
TSW611
FB611
FB612

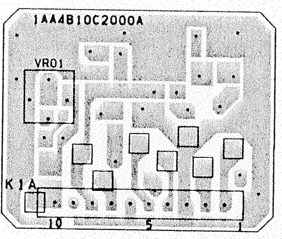
Line Filter Board (SIDE:B)


K6B
K6A
F601A
F601B
R601
VA601
C604
L602
C601
C602
C603
L601
K600G
C606
1AA4B10C2630B

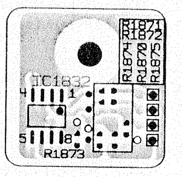
Audio Amp Board (SIDE:B)


R007A
R007
K6T
K6P
1AA4B10C2630C

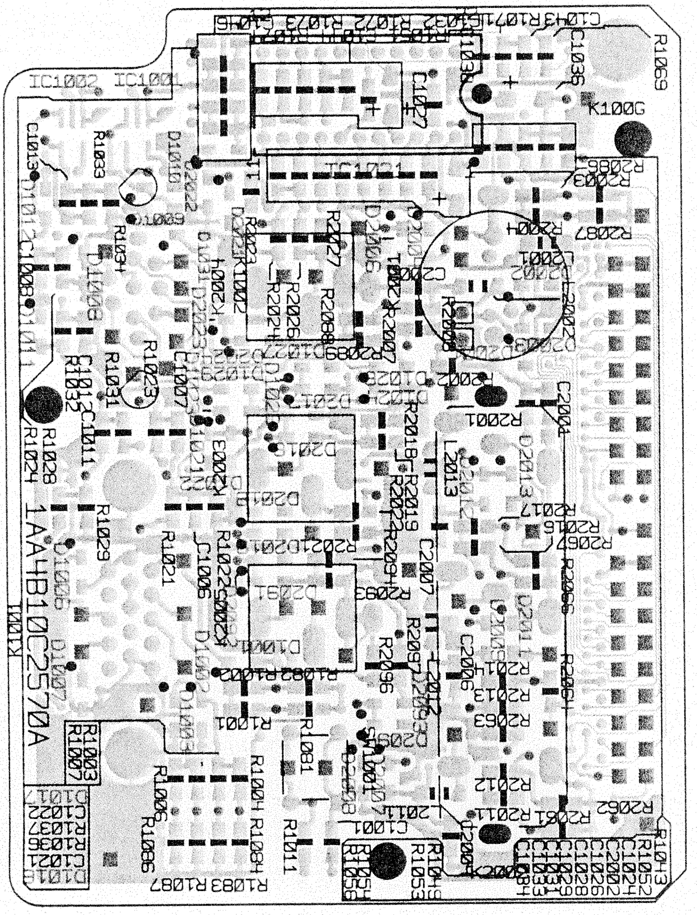
HIC Board (SIDE:B)


1AA4B10C2000A
VR01
K1A

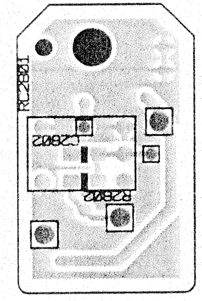
Temp Board (SIDE:B)


IC1832
R1871
R1872
R1874
R1875
R1873

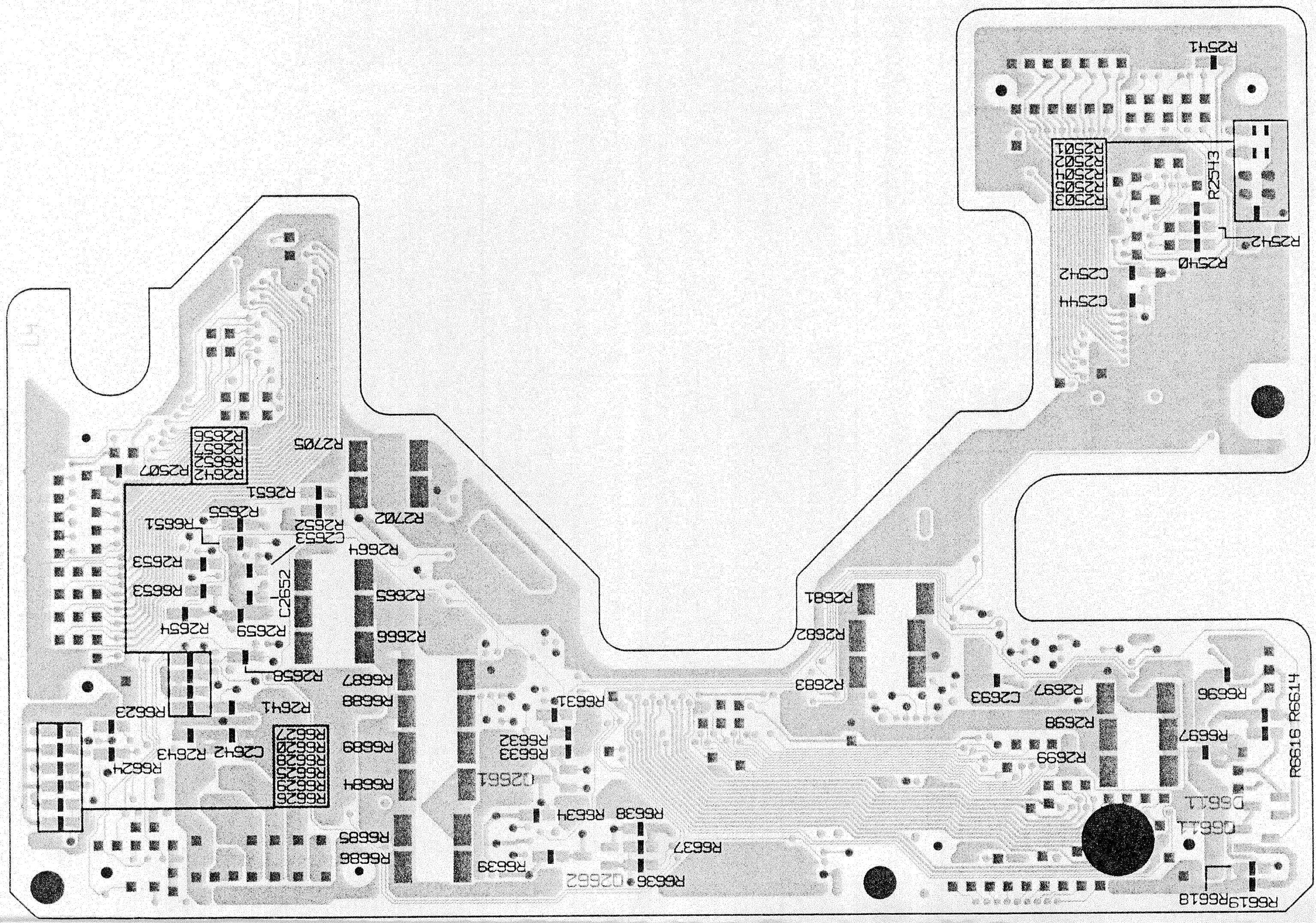
AV Board (SIDE:B)



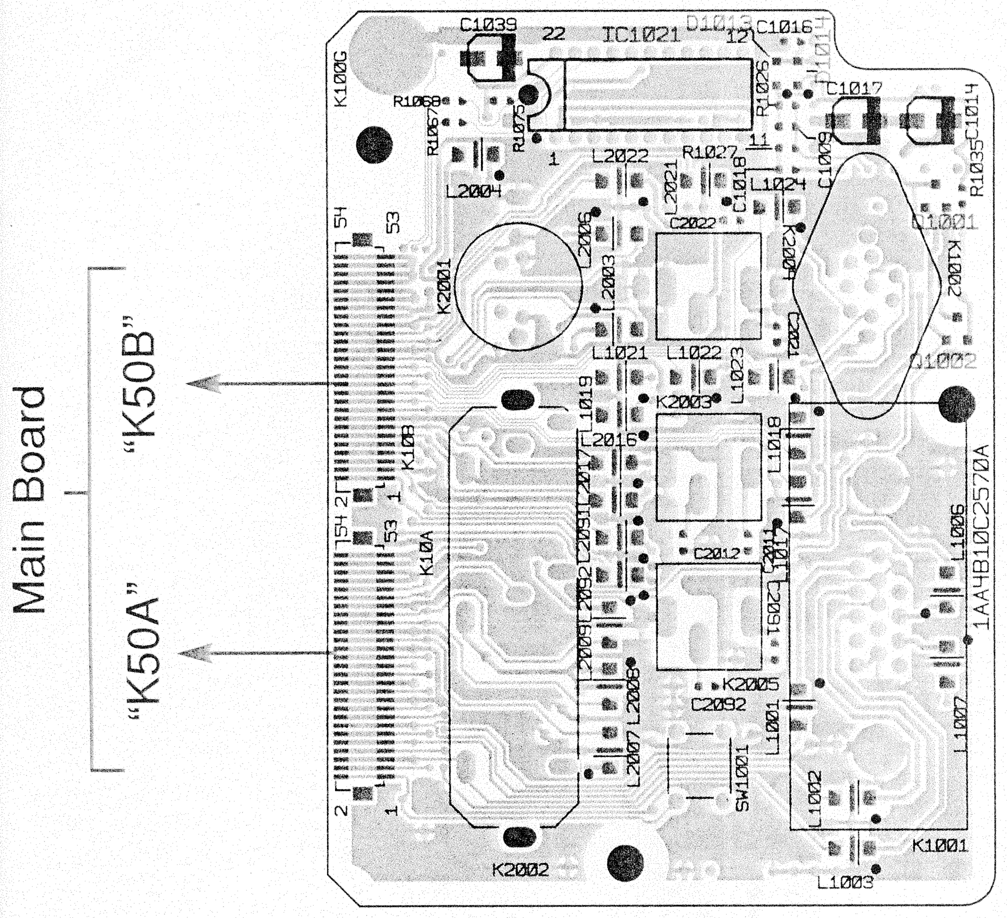
R/C Board (SIDE:B)



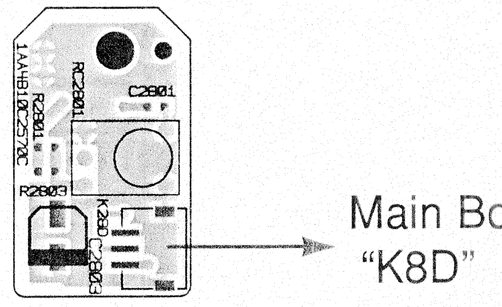
Component Board (SIDE:B)



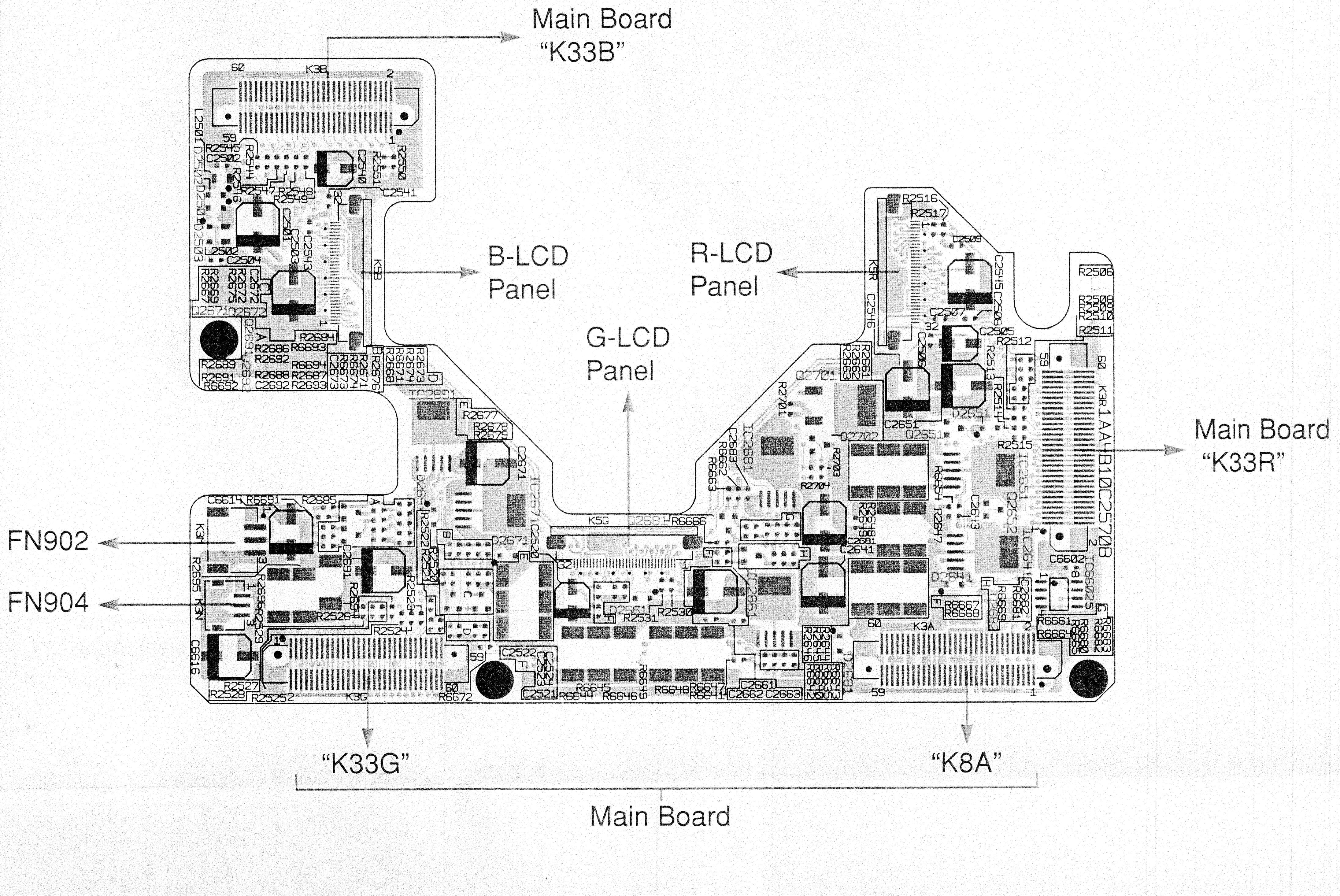
AV Board (SIDE:A)


Main Board
"K50B"
"K50A"
K100G
IC1021
K2002
K1001
SW1001
1AA4B10C2570A

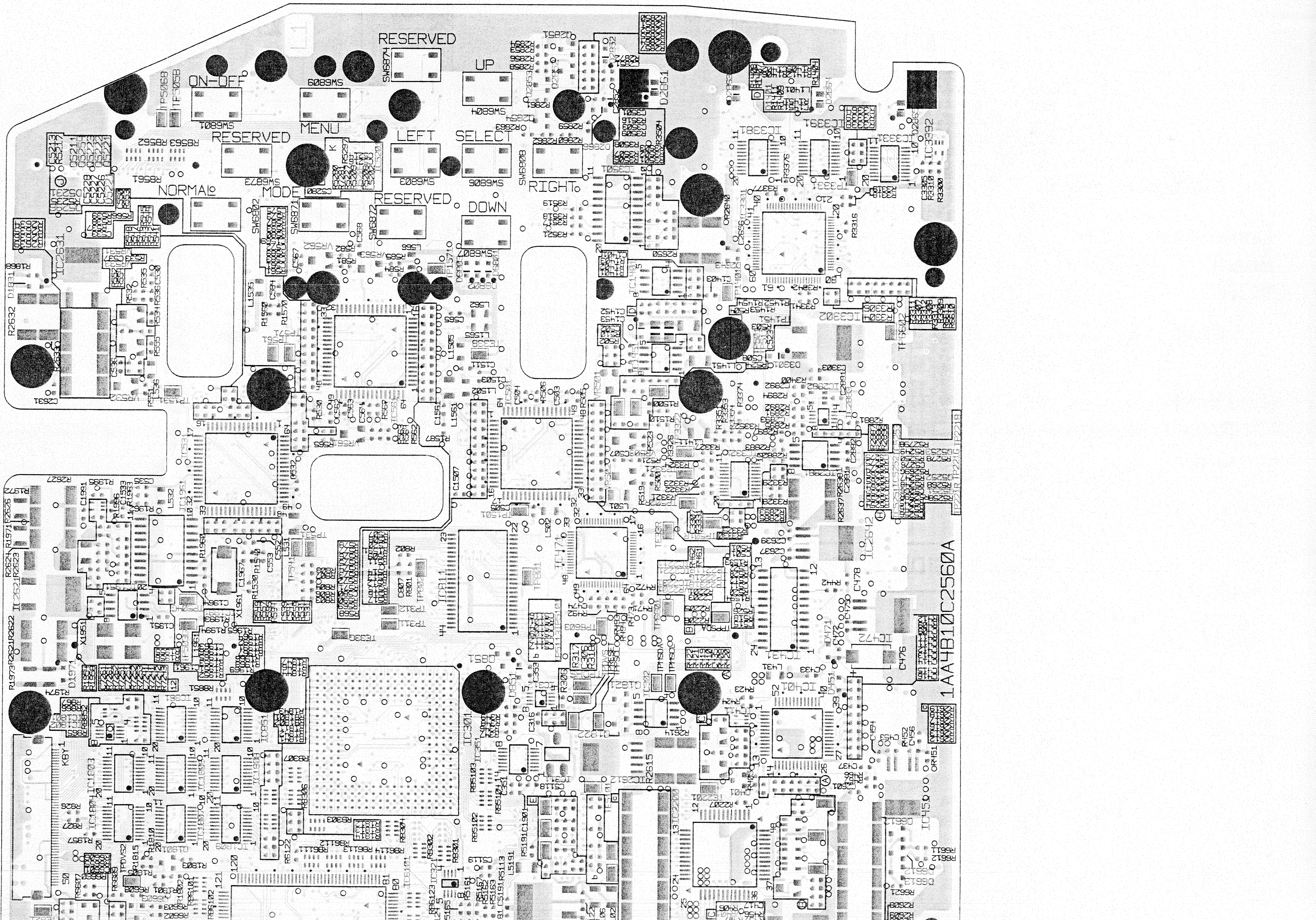
R/C Board (SIDE:A)

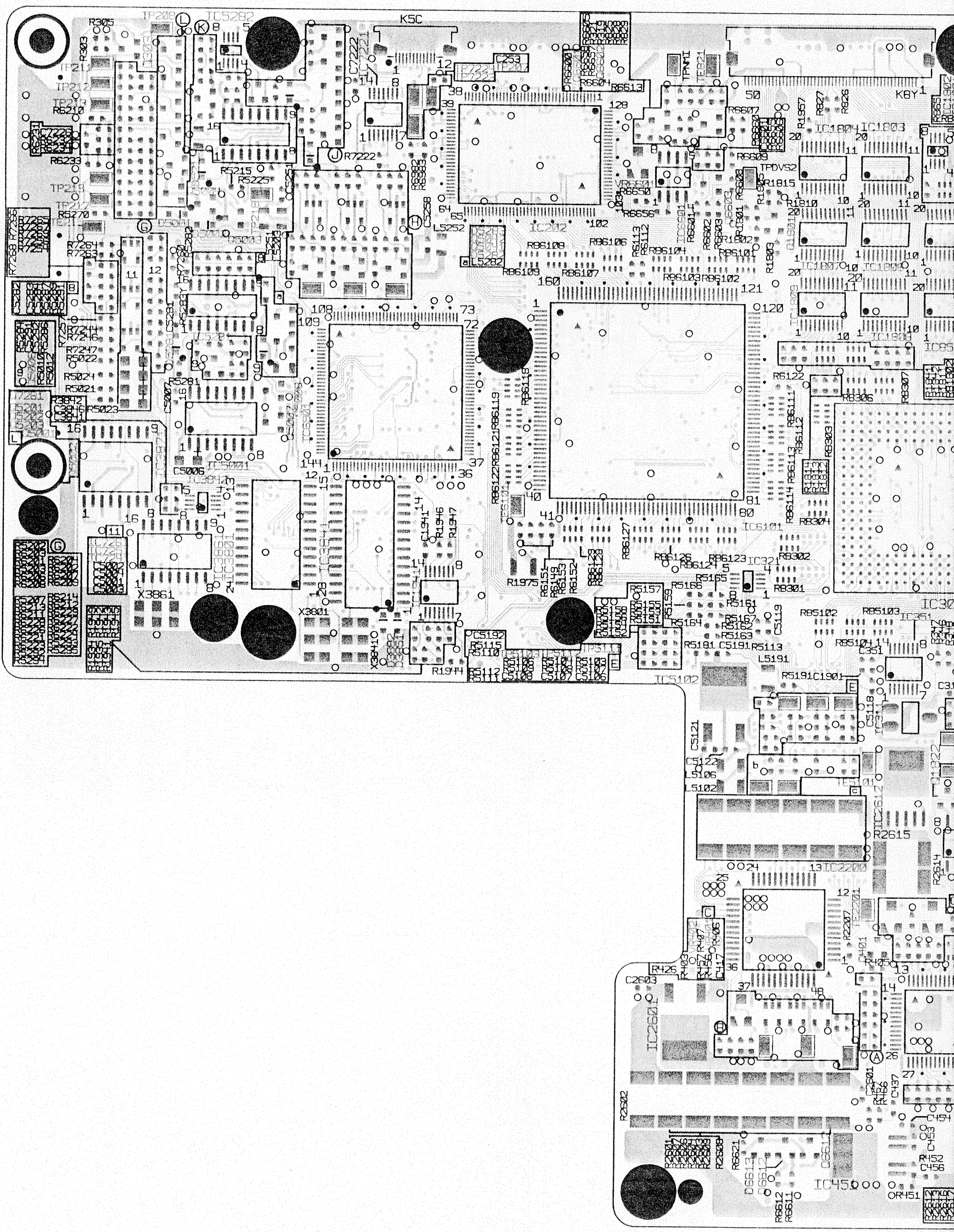

Main Bo
"K8D"
C2801
R2803
1AA4B10C2570C

Component Board (SIDE:A)

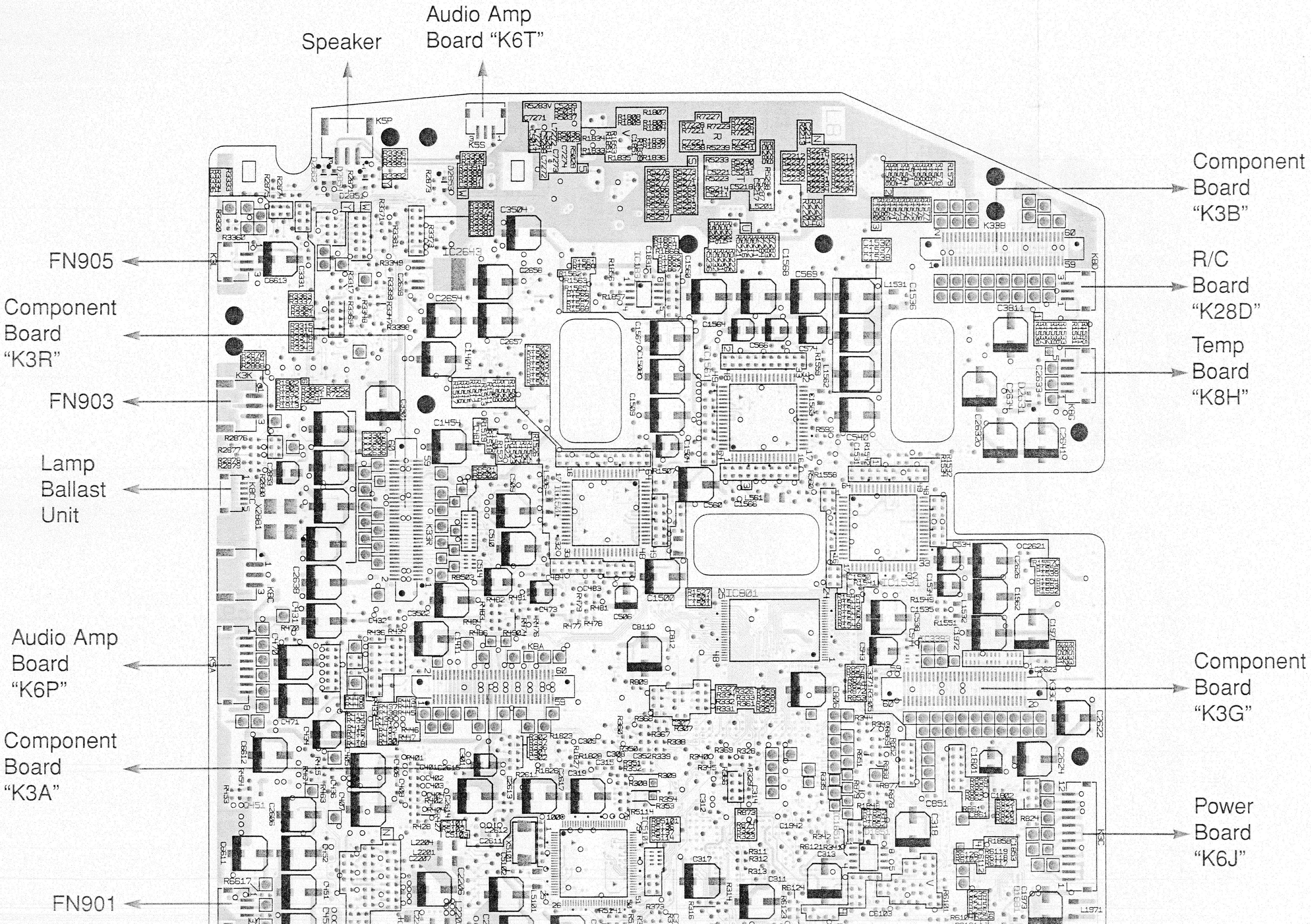

Main Board
"K33B"
B-LCD
Panel
R-LCD
Panel
G-LCD
Panel
Main Board
"K33R"
FN902
FN904
"K33G"
"K8A"
Main Board
K3B
K5B
K5R
K5G
K3R
K3G
K3A
1AA4B10C2570B

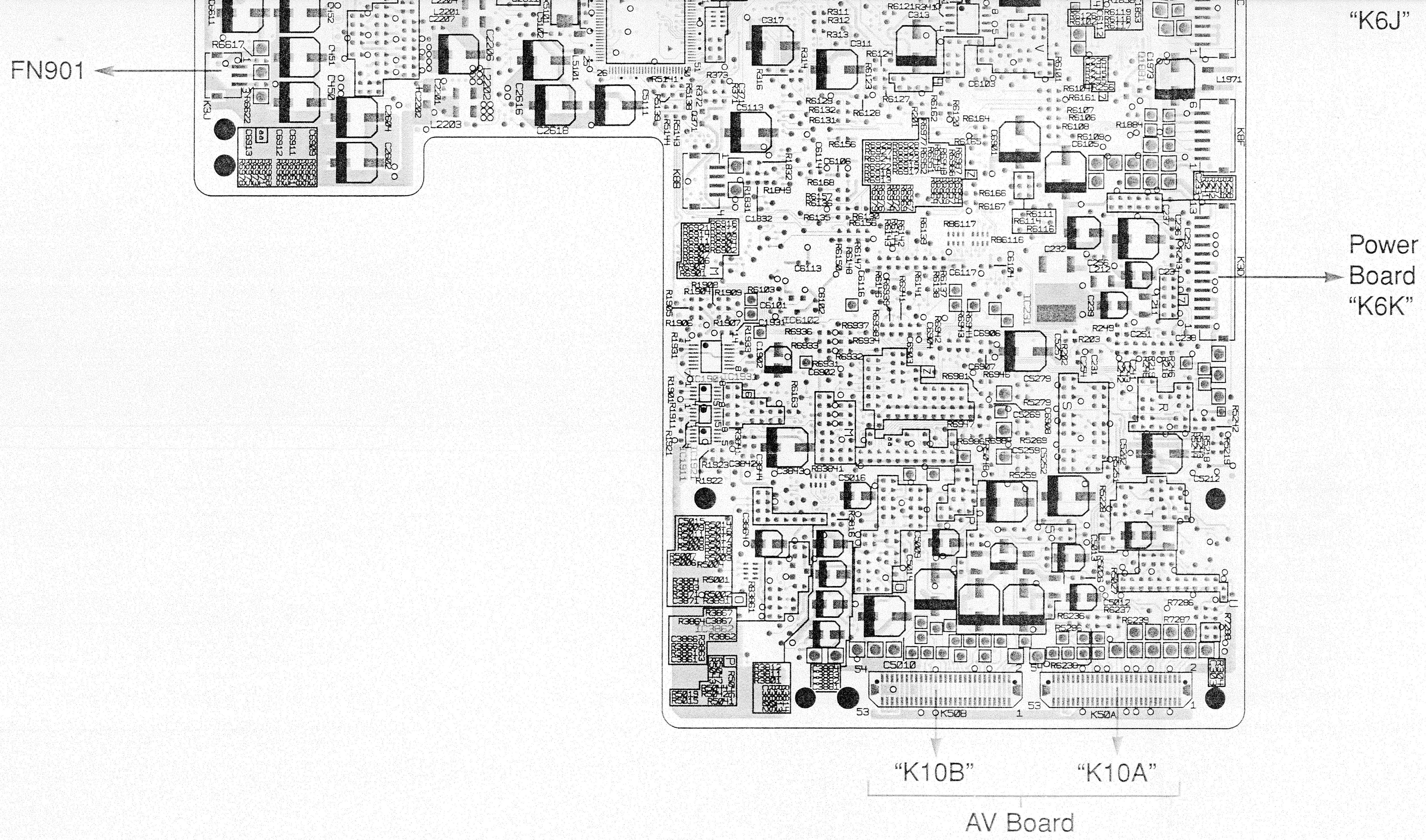
Main Board (SIDE:A)


RESERVED
UP
ON-OFF
MENU
RESERVED
LEFT
SELECT
NORMAL
MODE
RESERVED
DOWN
RIGHT
1AA4B10C2560A


KSC
KBY
IC5282
IC242
IC6101
IC2601
IC2200
IC451
X3861
X3801
IC5102
C7222
R7222
TP208
TP218
L5252
L5282

Main Board (SIDE:B)


Speaker
Audio Amp Board “K6T”
Component Board “K3B”
FN905
R/C Board “K28D”
Component Board “K3R”
Temp Board “K8H”
FN903
Lamp Ballast Unit
Audio Amp Board “K6P”
Component Board “K3G”
Component Board “K3A”
Power Board “K6J”
FN901
K5P
K5S
K3BB
K8D
K8G
K3K
K8A
K3C
K5A
K6J
IC1501
IC1531
IC801


"K6J"
FN901
Power
Board
"K6K"
K3J
K6B
K6F
K3D
K50B
K50A
"K10B"
"K10A"
AV Board

Optical Parts List

Key No.	Part No.	Description
OPTICAL PARTS		
61	645 041 5104	ASSY,PRISM(PBS)
or	645 044 2452	ASSY,PRISM(PBS)
62	610 291 0810	ASSY,LCD PNL/PRISM-MP6A (Including R,G,B LCD Panels and Key No. 48, 78, 79, 80)
63	645 041 5005	LENS,INTEGRATOR(IN)
64	645 041 5012	LENS,INTEGRATOR(OUT)
65	645 041 5029	LENS,CONDENSER(OUT)
66	645 041 5036	LENS,CONDENSER
67	645 041 5043	LENS,CONDENSER(B)
68	645 041 5050	LENS,RELAY(IN)
69	645 041 5067	LENS,RELAY(OUT)
70	645 045 7630	LENS,PROJECTION
71	645 044 0441	LENS,CONDENSER(R)
72	645 041 5494	MIRROR(R)
73	645 041 5500	MIRROR(B)
74	645 041 5081	OPTICAL FILTER(UV CUT)
75	645 045 2307	POLARIZED GLASS(IN/R)SA
76	645 045 2314	POLARIZED GLASS(IN/G)SA
77	645 045 2321	POLARIZED GLASS(IN/B)SA
78	645 045 2338	POLARIZED GLASS(OUT/R)SA
79	645 045 2345	POLARIZED GLASS(OUT/G)SA
80	645 045 2352	POLARIZED GLASS(OUT/B)SA
81	645 041 5586	DICHROIC MIRROR (R)
82	645 041 5593	DICHROIC MIRROR (G)

CAUTION:

Part must be placed in specified direction when replacing the optical parts. Please see "Optical Parts Disassemblies" for further instructions.

V29430

SANYO

FILE NO.

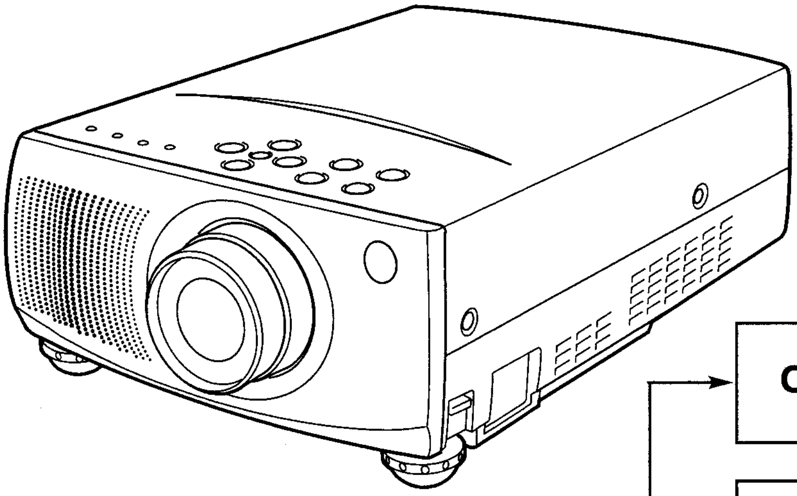
SERVICE MANUAL (SUPPLEMENT)

Multimedia Projector

Model No. PLC-XW15

U.S.A., Canada,
Europe, Asia, Africa
U.K

Original Version



Chassis No. MP6-XW1500

NOTE: Match the Chassis No. on the unit's back cover with the Chassis No. in the Service Manual.

If the Original Version Service Manual Chassis No. does not match the unit's, additional Service Literature is required. You must refer to "Notices" to the Original Service Manual prior to servicing the unit.

- NOTE -

Any information not contained in this manual will be found in the original model's service manual SM5110185 for model PLC-XW10.

FILE WITH ORIGINAL SERVICE MANUAL (SM5110185)

PRODUCT CODE

(MP6AA)	1 122 099 00
(PP6AA)	1 122 100 00
(PP6CA)	1 122 100 02

REFERENCE NO. SS5110217

■ Specifications

Projector Type	Multi-media Projector
Dimensions (W x H x D)	7.44" x 2.93" x 11.42" (189mm x 74.5mm x 290mm)
Net Weight	5.73 lbs (2.6 kg)
LCD Panel System	0.7" TFT Active Matrix type, 3 panels
Panel Resolution	1024 x 768 dots
Number of Pixels	2,359,296 (1024 x 768 x 3 panels)
Color System	6 color system (PAL, SECAM, NTSC, NTSC4.43, PAL-M and PAL-N)
High Definition TV Signals	480i, 480p, 575i, 575p, 720p. 1035i and 1080i
Scanning Frequency	H-sync. 15 ~ 100kHz, V-sync. 50 ~ 100Hz
Projection Image Size (diagonal)	Adjustable from 34" to 200"
Horizontal Resolution	550 TV lines
Projection Lens	F 1.7 ~ 1.9 lens with f 28.8mm ~ 34.5mm Manual zoom and focus
Throw Distance	5.2' ~ 26.3' (1.6m ~ 8.0m)
Projection Lamp	132 watt type
AV Input Jacks	RCA Type x 3 (Video/Y, Cb/Pb, Cr/Pr) and Mini DIN 4 pin x 1(S-Video)
AV Audio Input Jack	Mini Jack (stereo)
Computer Input Jack	(VGA) HDB15 Terminal x 1
Computer Audio Jack	Mini Jack (stereo)
Control Port Jack	Mini DIN 8 pin x 1
Audio Output Jack	Mini Jack (stereo)
Internal Audio Amp.	1W RMS (monaural)
Built-in Speaker	1 speaker, 1.57" x 1.18" (40mm x 30mm)
Feet Adjustment	0° to 7.6°
Voltage and Power Consumption	AC 100 ~ 120V (2.4A Max. Ampere), 50/60Hz (The U.S.A and Canada) AC 200 ~ 240V (1.2A Max. Ampere), 50/60Hz (Continental Europe and The UK.)
Operating Temperature	41°F ~ 95°F (5°C ~ 35°C)
Storage Temperature	14°F ~ 140°F (-10°C ~ 60°C)
Remote Control Transmitters	Wireless Remote Control, batteries AA, UM3 or R06 Type x 2

- ● The specifications are subject to change without notice.

c UL® US LISTED

This symbol on the nameplate means the product is Listed by Underwriters Laboratories Inc. It is designed and manufactured to meet rigid U.L. safety standards against risk of fire, casualty and electrical hazards.

■ Electrical Parts List

Product safety should be considered when a component replacement is made in any area of a projector. Components indicated by a ⚠ mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark.

● Read Description in the parts list

Read description in the Capacitor and Resistor as follows:

CAPACITOR CERAMIC 100P K 50V

Rated Voltage

Tolerance Symbols:

Less than 10pF

A : Not specified B : ±0.1pF C : ±0.25pF
D : ±0.5pF E : +0 -1pF F : ±1PF
G : ±2pF H : +0.1 -0pF L : +0 -0.1pF
R : ±0.25 -0pF S : +0-0.25pF

More than 10pF

A : Not specified B : ±0.1% C : ±0.25%
D : ±0.5% F : ±1% G : ±2%
H : ±3% J : ±5% K : ±10%
L : ±15% M : ±20% N : ±30%
P : +100-0% Q : +30-10% T : +50-10%
U : +75-10% V : +20-10% W : +100-10%
X : +40-20% Y : +150-10% Z : +80-20%

Rated value: P=pico farad, U=micro farad

Material:

CERAMIC	Ceramic
MT-PAPER	Metallized Paper
POLYESTER	Polyester
MT-POLYEST	Metallized Polyester
POLYPRO	Polypropylene
MT-POLYPRO	Metallized Polypropylene
COMPO FILM	Composite film
MT-COMPO	Metallized Composite
STYRENE	Styrene
TA-SOLID	Tantalum Oxide Solid Electrolytic
AL-SOLID	Aluminium Solid Electrolytic
ELECT	Aluminum Foil Electrolytic
NP-ELECT	Non-polarised Electrolytic
OS-SOLID	Aluminium Solid with Organic Semiconductive Electrolytic
POS-SOLID	Polymerized Organic Semiconductive
DL-ELECT	Double Layered Electrolytic
PPS-FILM	Polyphenylene Sulfide Film
MT-PPS-FILM	Metalized Polyphenylene Sulfide Film
MT-PEN-FILM	Metalized Polyethylenenaphthalate Film
CAPACITOR	Other

RESISTOR CARBON 4.7K J A 1/4W

Rated Wattage

Performance Symbols:

A: General B: Non flammable Z: Low noise

Other: Temperature coefficient

T: ±10ppm/°C U: ±25ppm/°C C: ±50ppm/°C
D: ±100ppm/°C E: ±200ppm/°C F: ±250ppm/°C
G: ±350ppm/°C H: ±1000ppm/°C±10% W: ±1200ppm/°C±10%
Y: ±1400ppm/°C±10% J: ±2000ppm/°C±10% K: ±2400ppm/°C±10%
L: ±2700ppm/°C±10% M: ±3000ppm/°C±10% N: ±3300ppm/°C±10%
P: ±3600ppm/°C±10% Q: ±3900ppm/°C±10% R: ±4200ppm/°C±10%
S: ±4300ppm/°C±10% V: ±4500ppm/°C±10% X: ±8000ppm/°C±10%

Tolerance Symbols:

A: ±0.05% B: ±0.1% C: ±0.25% D: ±0.5%
F: ±1% G: ±2% J: ±5% K: ±10%
M: ±20% P: +5-15% Z: 0 ohm

Rated value, ohms:

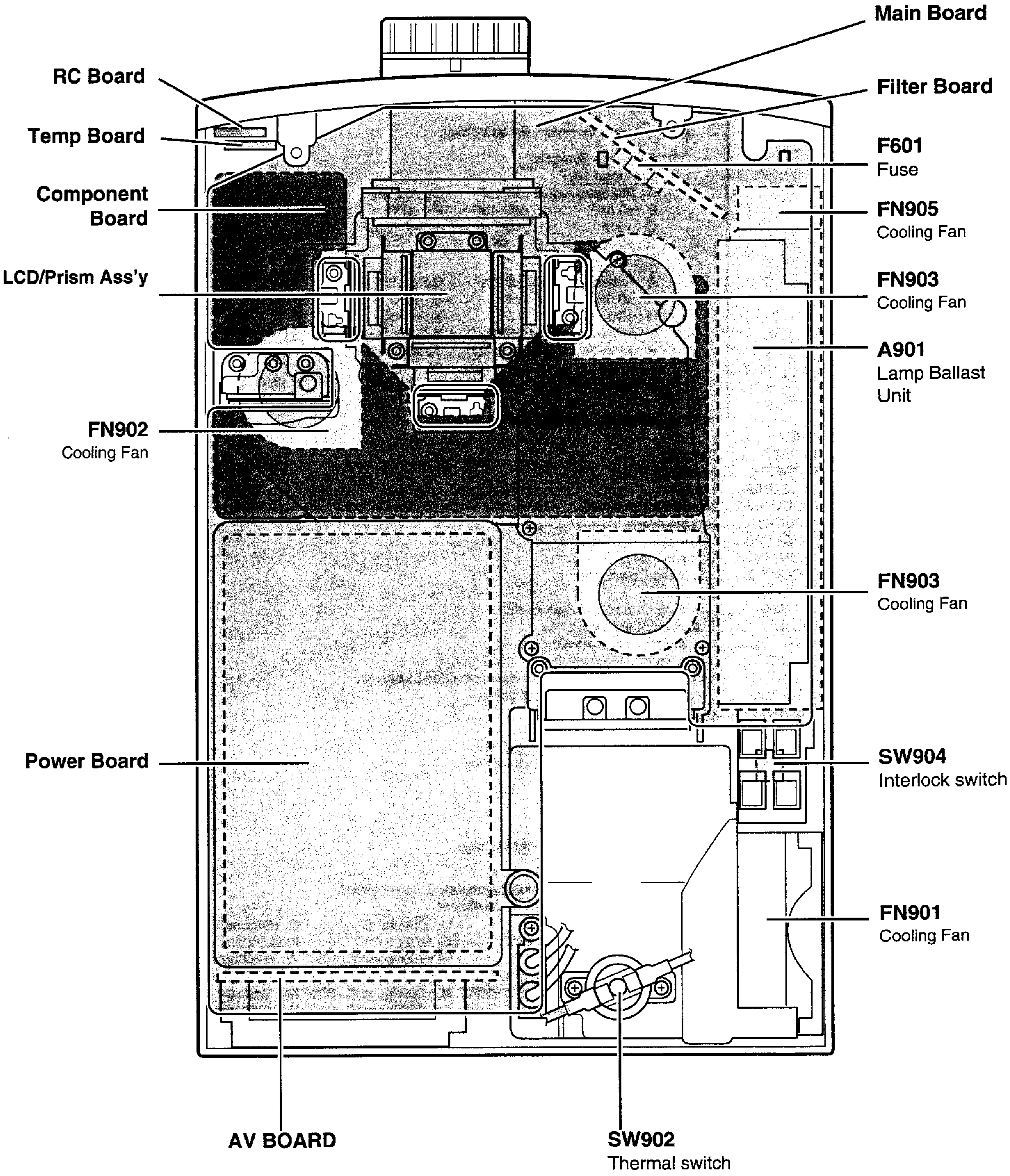
K: 1,000, M: 1,000,000

Material:

CARBON	Carbon
MT-FILM	Metal Film
OXIDE-MT	Oxide Metal Film
SOLID	Composition
MT-GLAZE	Metal Glaze
WIRE WOUND	Wire Wound
CERAMIC RES.	Ceramic
FUSIBLE RES.	Fusible
RESISTOR	Other

Note: Parts order must contain Chassis No., Part No., and Descriptions.

● OUT OF CIRCUIT BOARD


Main Board
RC Board
Filter Board
Temp Board
F601
Fuse
Component Board
FN905
Cooling Fan
LCD/Prism Ass'y
FN903
Cooling Fan
A901
Lamp Ballast Unit
FN902
Cooling Fan
FN903
Cooling Fan
Power Board
SW904
Interlock switch
FN901
Cooling Fan
AV BOARD
SW902
Thermal switch

Electrical Parts List

OUT OF CIRCUIT BOARDS

Ref. No.	Part No.	Description
⚠ LP900	610 289 8422	ASYY, LAMP (POA-LMP31)
L901	645 044 6207	CORE,FERRITE
L902	645 044 6207	CORE,FERRITE
L903	645 003 3834	CORE,FERRITE

MISCELLANEOUS

Ref. No.	Part No.	Description
⚠ A901	645 043 9919	UNIT,BALLAST
⚠ C901	404 073 3300	CERAMIC 470P M 250V
	404 071 4507	CERAMIC 470P K 400V
⚠ C902	404 073 3300	CERAMIC 470P M 250V
	404 071 4507	CERAMIC 470P K 400V
⚠ FN901	645 041 6057	MOTOR,FAN DC 1.86W
⚠ FN902	645 041 7856	MOTOR,FAN DC 2.2W
⚠ FN903	645 041 7856	MOTOR,FAN DC 2.2W
⚠ FN904	645 045 4363	MOTOR,FAN DC 0.84W
⚠ FN905	645 042 7824	MOTOR,FAN DC 0.6W
⚠ IL901	645 041 4978	SOCKET,INLET AC
SP901	645 030 6150	SPEAKER,8
⚠ SW902	645 026 5457	SWITCH,THERMAL
	645 041 9164	SWITCH,THERMAL
⚠ SW904	645 024 8986	SWITCH,PUSH 2P-2TX2

610 287 9278 ASSY,PWB,MAIN MP6A 1AA0B10C3010A

TRANSISTOR

Ref. No.	Part No.	Description
Q1801	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q1821	405 045 8705	TR 2SK536-TB
Q1822	405 045 8705	TR 2SK536-TB
Q1881	405 045 8705	TR 2SK536-TB
Q2851	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q2852	405 132 3101	TR DTC114EKA-T146
Q2853	405 132 3101	TR DTC114EKA-T146
Q2854	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB
Q303	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q371	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q451	405 014 4509	TR 2SC2412K T146 R
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	405 015 8902	TR 2SC2812-L7-TB
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	405 163 1701	TR 2SC2812N-L7-TB0
Q5001	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
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	405 015 8902	TR 2SC2812-L7-TB
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	405 163 1701	TR 2SC2812N-L7-TB0
Q5002	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q5003	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q5004	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q5006	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q5007	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q5008	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q5041	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q5042	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q5201	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB

Ref. No.	Part No.	Description
	405 163 2708	TR 2SA1179N-M7-TB
Q5202	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB
Q5203	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB
Q5204	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB
Q5211	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q5223	405 149 1701	TR DTC143TKA T146
Q5251	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q5252	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q5253	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q5296	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
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	405 002 6706	TR 2SA1179-M6-TB
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	405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB
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	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q6602	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q6612	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q7281	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q851	405 045 8705	TR 2SK536-TB

INTEGRATED CIRCUIT

Ref. No.	Part No.	Description
IC1401	409 343 0201	IC LT1206CS8
IC1451	409 343 0201	IC LT1206CS8
IC1501	409 476 8808	IC CXA3512R
IC1531	409 476 8808	IC CXA3512R
IC1561	409 476 8808	IC CXA3512R
IC1801	409 330 2508	IC TC7SH04FU-(TE85L)
	410 356 7606	IC SN74AHC1G04HDCKR
IC1802	410 381 4403	IC TC7W32FU(TE12L)
IC1803	410 346 8804	IC TC74LCX574FT
IC1804	410 346 8804	IC TC74LCX574FT
IC1806	410 346 8804	IC TC74LCX574FT
IC1807	410 346 8804	IC TC74LCX574FT
IC1808	410 362 6501	IC TC74LCX541FT
IC1809	410 362 6501	IC TC74LCX541FT
IC1831	409 481 8602	IC LM76CHMX-5
IC1851	409 486 6108	IC M51206FP
IC1901	409 439 8906	IC TC7WH125FU
IC1911	409 439 8906	IC TC7WH125FU
IC1921	409 439 8906	IC TC7WH125FU
IC1931	410 386 1902	IC TC74VCX125FT
IC1941	409 489 5009	IC TC74VCX04FT
IC1951	409 461 8202	IC ER-ICS502MT
IC1961	409 428 7101	IC AV9155C
IC1991	409 487 5704	IC TC7SZ125FU
IC202	410 353 1805	IC AD9884AKS-140
IC2200	410 308 6404	IC MB40988PFQ-G-MSBND
IC2211	409 461 7304	IC AD8057ART
IC2221	409 461 7304	IC AD8057ART
IC2231	409 461 7304	IC AD8057ART
IC231	409 416 6406	IC BA033FP-E2
IC2601	409 416 6406	IC BA033FP-E2
IC2612	409 461 7700	IC PQ2TZ15
IC2621	409 416 6406	IC BA033FP-E2
IC2631	409 124 5708	IC L78M09T-TR
IC2642	409 398 1901	IC L88MS05TL-TL
IC2643	409 398 1901	IC L88MS05TL-TL
IC2881	410 378 7103	IC PIC12C508A-04/SM A
IC2882	410 343 7008	IC SN74AHCT1G14DBVR
IC301	409 478 2408	IC PW164-10RK
IC302	409 339 3605	IC 24LC16BT/SN-T
IC311	409 480 1307	IC PST573IM
	409 480 1307	IC PST573IM
IC312	409 350 2908	IC TC7W126FU-(TE12L)
IC321	409 400 7105	IC TC7W53FU-(TE12L)
IC3301	409 478 1302	IC LC24049A-TA7
IC3302	409 416 6406	IC BA033FP-E2
IC3321	410 325 4605	IC TC74LCX244FT
IC3331	410 315 5308	IC MC74ACT244DT
IC3381	410 315 5308	IC MC74ACT244DT

Electrical Parts List

Ref. No.	Part No.	Description
IC3391	410 315 5308	IC MC74ACT244DT
IC3392	409 330 2508	IC TC7SH04FU-(TE85L)
IC3393	409 330 2508	IC TC7SH04FU-(TE85L)
IC3501	409 419 3709	IC MC10H351ML1
IC351	410 337 0503	IC TC74LCX14FT
	410 337 0602	IC HD74LVC14T
IC3801	410 275 5707	IC TWM7000-162020
	410 275 5806	IC TWM7000-162020
IC3841	410 296 5700	IC TWM7000-151020
IC3861	410 296 2402	IC TMP47C101M-JV45
IC3862	409 344 1900	IC MN1382-Q-TX
IC3871	409 380 6303	IC HIN232CB
	409 273 3501	IC SP232ACT
IC401	409 419 2603	IC CXA2111R
IC411	409 330 2508	IC TC7SH04FU-(TE85L)
	410 356 7606	IC SN74AHC1G04HDCKR
IC431	409 326 3007	IC M62358FP
IC451	409 398 1901	IC L88MS05TL-TL
IC471	409 460 8302	IC CXD3503R
IC472	409 398 1901	IC L88MS05TL-TL
IC5001	409 051 2900	IC TC4053BF(EL)
IC501	409 476 8808	IC CXA3512R
IC5101	409 478 2507	IC SAA7114H
IC5102	409 416 6406	IC BA033FP-E2
IC5201	409 407 7900	IC EL4332CS
IC5251	409 461 7304	IC AD8057ART
IC5252	409 461 7304	IC AD8057ART
IC5253	409 461 7304	IC AD8057ART
IC5281	409 407 7900	IC EL4332CS
IC5282	409 400 7105	IC TC7W53FU-(TE12L)
IC531	409 476 8808	IC CXA3512R
IC561	409 476 8808	IC CXA3512R
IC6101	410 386 9205	IC LC24193AT-TH5
IC6102	409 344 1900	IC MN1382-Q-TX
IC6601	409 481 8503	IC AD8400AR1
IC6901	410 402 6003	IC EPM3256ATC144-10
IC7221	410 337 0503	IC TC74LCX14FT
	410 337 0602	IC HD74LVC14T
IC7241	409 461 7304	IC AD8057ART
IC7251	409 461 7304	IC AD8057ART
IC7261	409 461 7304	IC AD8057ART
IC801	410 406 3206	IC MBM29LV800TA90NB786B
IC811	410 352 8508	IC IDT71V016S15PHTR
IC851	410 311 5708	IC MC74HCT244ADT
	410 315 5506	IC HD74HCT244TV
	410 356 7507	IC SN74HCT244PWR
IC861	410 325 4605	IC TC74LCX244FT
CAPACITOR		
C1401	403 157 3601	CERAMIC 100P J 50V
C1402	403 164 0204	CERAMIC 0.1U Z 25V
C1403	403 164 0204	CERAMIC 0.1U Z 25V
C1404	403 229 3508	ELECT 100U M 16V
C1411	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C1451	403 157 3601	CERAMIC 100P J 50V
C1452	403 215 2201	CERAMIC 0.01U K 50V
C1453	403 164 0204	CERAMIC 0.1U Z 25V
C1454	403 229 3508	ELECT 100U M 16V
C1500	403 280 0805	ELECT 330U M 6.3V
C1501	403 164 0204	CERAMIC 0.1U Z 25V
C1502	403 215 2201	CERAMIC 0.01U K 50V
C1503	403 164 0204	CERAMIC 0.1U Z 25V
C1504	403 162 4709	ELECT 10U M 16V
C1507	403 164 0204	CERAMIC 0.1U Z 25V
C1508	403 280 0805	ELECT 330U M 6.3V
C1509	403 280 1604	ELECT 220U M 16V
C1511	403 164 0204	CERAMIC 0.1U Z 25V
C1530	403 280 0805	ELECT 330U M 6.3V
C1531	403 164 0204	CERAMIC 0.1U Z 25V
C1532	403 215 2201	CERAMIC 0.01U K 50V
C1533	403 164 0204	CERAMIC 0.1U Z 25V
C1534	403 162 4709	ELECT 10U M 16V
C1536	403 164 0204	CERAMIC 0.1U Z 25V
C1537	403 280 0805	ELECT 330U M 6.3V
C1538	403 280 1604	ELECT 220U M 16V
C1539	403 164 0204	CERAMIC 0.1U Z 25V
C1560	403 280 0805	ELECT 330U M 6.3V
C1561	403 164 0204	CERAMIC 0.1U Z 25V
C1562	403 215 2201	CERAMIC 0.01U K 50V
C1563	403 164 0204	CERAMIC 0.1U Z 25V
C1564	403 162 4709	ELECT 10U M 16V
C1566	403 164 0204	CERAMIC 0.1U Z 25V
C1567	403 280 0805	ELECT 330U M 6.3V
C1568	403 229 3508	ELECT 100U M 16V
C1569	403 164 0204	CERAMIC 0.1U Z 25V
C1801	403 162 4709	ELECT 10U M 16V
C1802	403 164 0204	CERAMIC 0.1U Z 25V
C1831	403 164 0204	CERAMIC 0.1U Z 25V
C1851	403 283 6309	CERAMIC 1U Z 10V
C1852	403 283 6309	CERAMIC 1U Z 10V
C1853	403 283 6309	CERAMIC 1U Z 10V
C1901	403 164 0204	CERAMIC 0.1U Z 25V
C1902	403 162 4006	ELECT 22U M 6.3V
C1931	403 164 0204	CERAMIC 0.1U Z 25V
C1941	403 164 0204	CERAMIC 0.1U Z 25V
C1942TM	403 026 9307	CERAMIC 5P C 50V
C1951	403 149 9208	CERAMIC 0.01U Z 50V
C1961	403 164 0204	CERAMIC 0.1U Z 25V
C1962	403 280 0508	ELECT 470U M 4V
C1963	403 164 0204	CERAMIC 0.1U Z 25V
C1964	403 155 4204	CERAMIC 15P J 50V
C1965	403 164 0204	CERAMIC 0.1U Z 25V
C1966	403 164 0204	CERAMIC 0.1U Z 25V
C1971	403 229 3508	ELECT 100U M 16V
C1972	403 280 1604	ELECT 220U M 16V
C1973	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C1991	403 164 0204	CERAMIC 0.1U Z 25V
C2201	403 164 0204	CERAMIC 0.1U Z 25V
C2202	403 208 1402	TA-SOLID 1U M 25V
C2203	403 164 0204	CERAMIC 0.1U Z 25V
C2204	403 164 0204	CERAMIC 0.1U Z 25V
C2206	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C2207	403 164 0204	CERAMIC 0.1U Z 25V
C2211	403 233 3808	CERAMIC 10P C 50V
C2212	403 164 0204	CERAMIC 0.1U Z 25V
C2221	403 233 3808	CERAMIC 10P C 50V
C2222	403 164 0204	CERAMIC 0.1U Z 25V
C2231	403 233 3808	CERAMIC 10P C 50V
C2232	403 164 0204	CERAMIC 0.1U Z 25V
C231	403 164 0204	CERAMIC 0.1U Z 25V
C232	403 175 4109	ELECT 22U M 16V
C233	403 164 0204	CERAMIC 0.1U Z 25V
C234TM	403 135 3302	ELECT 1000U M 6.3V
	403 206 9004	ELECT 1000U M 6.3V
C235	403 164 0204	CERAMIC 0.1U Z 25V
C236	403 298 9609	CERAMIC 0.1U K 16V
	403 325 3303	CERAMIC 0.1U K 16V
C238	403 164 0204	CERAMIC 0.1U Z 25V
C239TM	403 135 3302	ELECT 1000U M 6.3V
	403 206 9004	ELECT 1000U M 6.3V
C241	403 215 2201	CERAMIC 0.01U K 50V

Electrical Parts List

Ref. No.	Part No.	Description
C242	403 298 9609	CERAMIC 0.1U K 16V
	403 325 3303	CERAMIC 0.1U K 16V
C243	403 298 9609	CERAMIC 0.1U K 16V
	403 325 3303	CERAMIC 0.1U K 16V
C251	403 164 0204	CERAMIC 0.1U Z 25V
C252	403 164 0204	CERAMIC 0.1U Z 25V
C253	403 157 3809	CERAMIC 120P J 50V
C254	403 164 0204	CERAMIC 0.1U Z 25V
C256	403 164 0204	CERAMIC 0.1U Z 25V
C2601	403 164 0204	CERAMIC 0.1U Z 25V
C2602	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C2603	403 164 0204	CERAMIC 0.1U Z 25V
C2606	403 229 3508	ELECT 100U M 16V
C2611	403 164 0204	CERAMIC 0.1U Z 25V
C2612	403 164 0204	CERAMIC 0.1U Z 25V
C2613	403 164 0204	CERAMIC 0.1U Z 25V
C2614	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C2615	403 164 0204	CERAMIC 0.1U Z 25V
C2616	403 229 3508	ELECT 100U M 16V
C2618	403 229 3508	ELECT 100U M 16V
C2621	403 164 0204	CERAMIC 0.1U Z 25V
C2622	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C2623	403 164 0204	CERAMIC 0.1U Z 25V
C2626	403 229 3508	ELECT 100U M 16V
C2631	403 164 0204	CERAMIC 0.1U Z 25V
C2632	403 229 3508	ELECT 100U M 16V
C2633	403 164 0204	CERAMIC 0.1U Z 25V
C2635	403 229 3508	ELECT 100U M 16V
C2636	403 229 3508	ELECT 100U M 16V
C2637	403 283 6309	CERAMIC 1U Z 10V
C2638	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C2639	403 164 0204	CERAMIC 0.1U Z 25V
C2641	403 280 1604	ELECT 220U M 16V
C2654	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C2656	403 164 0204	CERAMIC 0.1U Z 25V
C2657	403 229 3508	ELECT 100U M 16V
C2658	403 229 3508	ELECT 100U M 16V
C2659	403 283 6309	CERAMIC 1U Z 10V
C2851	403 164 0204	CERAMIC 0.1U Z 25V
C2852	403 164 0204	CERAMIC 0.1U Z 25V
C2881	403 139 7108	CERAMIC 12P J 50V
C2882	403 139 7108	CERAMIC 12P J 50V
C2891	403 205 2808	CERAMIC 0.047U K 25V
C2892	403 164 0204	CERAMIC 0.1U Z 25V
C301	403 162 4709	ELECT 10U M 16V
C302	403 164 0204	CERAMIC 0.1U Z 25V
C303	403 149 9208	CERAMIC 0.01U Z 50V
C306	403 164 0204	CERAMIC 0.1U Z 25V
C307	403 149 9208	CERAMIC 0.01U Z 50V
C308	403 149 9208	CERAMIC 0.01U Z 50V
C309	403 164 0204	CERAMIC 0.1U Z 25V
C311	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C312	403 164 0204	CERAMIC 0.1U Z 25V
C313	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C314	403 164 0204	CERAMIC 0.1U Z 25V
C315	403 164 0204	CERAMIC 0.1U Z 25V
C3301	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C3302	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C3303	403 164 0204	CERAMIC 0.1U Z 25V
C3305	403 164 0204	CERAMIC 0.1U Z 25V
C3306	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C3307	403 164 0204	CERAMIC 0.1U Z 25V
C3331	403 164 0204	CERAMIC 0.1U Z 25V
C3371	403 164 0204	CERAMIC 0.1U Z 25V
C3381	403 164 0204	CERAMIC 0.1U Z 25V
C3391	403 164 0204	CERAMIC 0.1U Z 25V
C3501	403 164 0204	CERAMIC 0.1U Z 25V
C3502	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C3504	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C351	403 164 0204	CERAMIC 0.1U Z 25V
C3802	403 283 6309	CERAMIC 1U Z 10V
C3841	403 283 6309	CERAMIC 1U Z 10V
C3842	403 283 6309	CERAMIC 1U Z 10V
C3844	403 283 6309	CERAMIC 1U Z 10V
C3846	403 164 0204	CERAMIC 0.1U Z 25V
C3861	403 283 6309	CERAMIC 1U Z 10V
C3864	403 162 6208	ELECT 1U M 50V
C3867	403 283 6309	CERAMIC 1U Z 10V
C3871	403 283 6309	CERAMIC 1U Z 10V
C3881	403 162 6208	ELECT 1U M 50V
C3882	403 162 6208	ELECT 1U M 50V
C3883	403 162 6208	ELECT 1U M 50V
C3884	403 162 6208	ELECT 1U M 50V
C401	403 164 0204	CERAMIC 0.1U Z 25V
C402	403 149 9208	CERAMIC 0.01U Z 50V
C403	403 149 9208	CERAMIC 0.01U Z 50V
C404	403 149 9208	CERAMIC 0.01U Z 50V
C405	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C406	403 164 0204	CERAMIC 0.1U Z 25V
C407	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C408	403 164 0204	CERAMIC 0.1U Z 25V
C409	403 164 0204	CERAMIC 0.1U Z 25V
C411	403 149 9208	CERAMIC 0.01U Z 50V
C412	403 149 9208	CERAMIC 0.01U Z 50V
C413	403 149 9208	CERAMIC 0.01U Z 50V
C414	403 149 9208	CERAMIC 0.01U Z 50V
C415	403 149 9208	CERAMIC 0.01U Z 50V
C416	403 149 9208	CERAMIC 0.01U Z 50V
C417	403 164 0204	CERAMIC 0.1U Z 25V
C431	403 229 3508	ELECT 100U M 16V
C432	403 149 9208	CERAMIC 0.01U Z 50V
C433	403 164 0204	CERAMIC 0.1U Z 25V
C434	403 175 4505	ELECT 47U M 6.3V
C435	403 298 9609	CERAMIC 0.1U K 16V
	403 325 3303	CERAMIC 0.1U K 16V
C436	403 298 9609	CERAMIC 0.1U K 16V
	403 325 3303	CERAMIC 0.1U K 16V
C437	403 298 9609	CERAMIC 0.1U K 16V
	403 325 3303	CERAMIC 0.1U K 16V
C450	403 229 3508	ELECT 100U M 16V
C451	403 229 3508	ELECT 100U M 16V
C452	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C453	403 283 6309	CERAMIC 1U Z 10V
C454	403 164 0204	CERAMIC 0.1U Z 25V
C456	403 164 0204	CERAMIC 0.1U Z 25V
C470	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C471	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V

Electrical Parts List

Ref. No.	Part No.	Description
C472	403 164 0204	CERAMIC 0.1U Z 25V
C473	403 162 4709	ELECT 10U M 16V
C474	403 164 0204	CERAMIC 0.1U Z 25V
C475	403 283 6309	CERAMIC 1U Z 10V
C476	403 341 3905	POS-SOLID 100U M 6.3V
C478	403 164 0204	CERAMIC 0.1U Z 25V
C483	403 164 0204	CERAMIC 0.1U Z 25V
C484	403 164 0204	CERAMIC 0.1U Z 25V
C5001	403 205 7803	TA-SOLID 2.2U M 16V
C5002	403 205 7803	TA-SOLID 2.2U M 16V
C5003	403 205 7803	TA-SOLID 2.2U M 16V
C5004	403 205 7803	TA-SOLID 2.2U M 16V
C5006	403 205 7803	TA-SOLID 2.2U M 16V
C5007	403 343 8809	CERAMIC 0.47U Z 16V
C5008	403 343 8809	CERAMIC 0.47U Z 16V
C5009	403 162 4709	ELECT 10U M 16V
C501	403 155 1609	CERAMIC 33P J 50V
C5010	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C5011	403 343 8809	CERAMIC 0.47U Z 16V
C5012	403 162 4709	ELECT 10U M 16V
C5013	403 162 4709	ELECT 10U M 16V
C5014	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C502	403 164 0204	CERAMIC 0.1U Z 25V
C503	403 164 0204	CERAMIC 0.1U Z 25V
C504	403 215 2201	CERAMIC 0.01U K 50V
C505	403 164 0204	CERAMIC 0.1U Z 25V
C506	403 162 4709	ELECT 10U M 16V
C507	403 149 9208	CERAMIC 0.01U Z 50V
C508	403 149 9208	CERAMIC 0.01U Z 50V
C509	403 280 1604	ELECT 220U M 16V
C510	403 280 0805	ELECT 330U M 6.3V
C5101	403 139 7306	CERAMIC 18P J 50V
C5102	403 139 7306	CERAMIC 18P J 50V
C5104	403 275 3002	CERAMIC 0.047U K 16V
C5106	403 275 3002	CERAMIC 0.047U K 16V
C5107	403 275 3002	CERAMIC 0.047U K 16V
C5108	403 275 3002	CERAMIC 0.047U K 16V
C5109	403 275 3002	CERAMIC 0.047U K 16V
C511	403 164 0204	CERAMIC 0.1U Z 25V
C5111	403 229 3508	ELECT 100U M 16V
C5112	403 164 0204	CERAMIC 0.1U Z 25V
C5113	403 229 3508	ELECT 100U M 16V
C5114	403 164 0204	CERAMIC 0.1U Z 25V
C5116	403 164 0204	CERAMIC 0.1U Z 25V
C5117	403 164 0204	CERAMIC 0.1U Z 25V
C5118	403 164 0204	CERAMIC 0.1U Z 25V
C5119	403 164 0204	CERAMIC 0.1U Z 25V
C5121	403 164 0204	CERAMIC 0.1U Z 25V
C5122	403 164 0204	CERAMIC 0.1U Z 25V
C514	403 175 4109	ELECT 22U M 16V
C515	403 164 0204	CERAMIC 0.1U Z 25V
C5201	403 164 0204	CERAMIC 0.1U Z 25V
C5202	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C5211	403 157 1904	CERAMIC 10P D 50V
C5212	403 283 6309	CERAMIC 1U Z 10V
C5213	403 149 9208	CERAMIC 0.01U Z 50V
C5214	403 283 6309	CERAMIC 1U Z 10V
C5216	403 149 9208	CERAMIC 0.01U Z 50V
C5217	403 283 6309	CERAMIC 1U Z 10V
C5218	403 162 4006	ELECT 22U M 6.3V
C522	403 113 3805	CERAMIC 1000P K 50V
C5221	403 157 1904	CERAMIC 10P D 50V
C523	403 215 0900	CERAMIC 390P J 50V
C5231	403 157 1904	CERAMIC 10P D 50V
C5251	403 164 0204	CERAMIC 0.1U Z 25V
C5252	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C5253	403 157 1904	CERAMIC 10P D 50V
C5255	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
C5257	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C5258	403 164 0204	CERAMIC 0.1U Z 25V
C5259	403 215 2904	CERAMIC 0.022U K 25V
C5263	403 157 1904	CERAMIC 10P D 50V
C5265	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
C5269	403 215 2904	CERAMIC 0.022U K 25V
C5273	403 157 1904	CERAMIC 10P D 50V
C5275	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
C5279	403 215 2904	CERAMIC 0.022U K 25V
C5281	403 149 9208	CERAMIC 0.01U Z 50V
C5282	403 149 9208	CERAMIC 0.01U Z 50V
C5283	403 164 0204	CERAMIC 0.1U Z 25V
C5284	403 164 0204	CERAMIC 0.1U Z 25V
C5287	403 157 4202	CERAMIC 220P J 50V
C5288	403 162 4006	ELECT 22U M 6.3V
C5289	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C530	403 164 0204	CERAMIC 0.1U Z 25V
C531	403 157 2505	CERAMIC 27P J 50V
C532	403 164 0204	CERAMIC 0.1U Z 25V
C533	403 215 2201	CERAMIC 0.01U K 50V
C534	403 162 4709	ELECT 10U M 16V
C535	403 164 0204	CERAMIC 0.1U Z 25V
C536	403 149 9208	CERAMIC 0.01U Z 50V
C537	403 149 9208	CERAMIC 0.01U Z 50V
C538	403 280 1604	ELECT 220U M 16V
C539	403 164 0204	CERAMIC 0.1U Z 25V
C540	403 280 0805	ELECT 330U M 6.3V
C543	403 175 4109	ELECT 22U M 16V
C544	403 164 0204	CERAMIC 0.1U Z 25V
C552	403 113 3805	CERAMIC 1000P K 50V
C553	403 215 0900	CERAMIC 390P J 50V
C560	403 280 0805	ELECT 330U M 6.3V
C562	403 164 0204	CERAMIC 0.1U Z 25V
C563	403 164 0204	CERAMIC 0.1U Z 25V
C564	403 215 2201	CERAMIC 0.01U K 50V
C565	403 164 0204	CERAMIC 0.1U Z 25V
C566	403 162 4709	ELECT 10U M 16V
C567	403 149 9208	CERAMIC 0.01U Z 50V
C568	403 149 9208	CERAMIC 0.01U Z 50V
C569	403 280 1604	ELECT 220U M 16V
C571	403 164 0204	CERAMIC 0.1U Z 25V
C574	403 175 4109	ELECT 22U M 16V
C575	403 164 0204	CERAMIC 0.1U Z 25V
C583	403 113 3805	CERAMIC 1000P K 50V
C584	403 215 0900	CERAMIC 390P J 50V
C6101	403 283 6309	CERAMIC 1U Z 10V
C6102	403 164 0204	CERAMIC 0.1U Z 25V
C6103	403 164 0204	CERAMIC 0.1U Z 25V
C6104	403 164 0204	CERAMIC 0.1U Z 25V
C6105	403 229 3508	ELECT 100U M 16V
C6106	403 164 0204	CERAMIC 0.1U Z 25V
C6112	403 164 0204	CERAMIC 0.1U Z 25V
C6113	403 164 0204	CERAMIC 0.1U Z 25V
C6114	403 164 0204	CERAMIC 0.1U Z 25V
C6116	403 164 0204	CERAMIC 0.1U Z 25V
C6117	403 164 0204	CERAMIC 0.1U Z 25V
C6601	403 164 0204	CERAMIC 0.1U Z 25V
C6611	403 229 3508	ELECT 100U M 16V
C6612	403 229 3508	ELECT 100U M 16V
C6613	403 229 3508	ELECT 100U M 16V

Electrical Parts List

Ref. No.	Part No.	Description
C6901	403 229 3508	ELECT 100U M 16V
C6902	403 164 0204	CERAMIC 0.1U Z 25V
C6903	403 164 0204	CERAMIC 0.1U Z 25V
C6904	403 164 0204	CERAMIC 0.1U Z 25V
C6906	403 164 0204	CERAMIC 0.1U Z 25V
C6907	403 164 0204	CERAMIC 0.1U Z 25V
C6908	403 164 0204	CERAMIC 0.1U Z 25V
C6909	403 164 0204	CERAMIC 0.1U Z 25V
C6911	403 164 0204	CERAMIC 0.1U Z 25V
C6912	403 164 0204	CERAMIC 0.1U Z 25V
C6913	403 164 0204	CERAMIC 0.1U Z 25V
C7221	403 157 3809	CERAMIC 120P J 50V
C7222	403 149 9208	CERAMIC 0.01U Z 50V
C7225	403 157 3809	CERAMIC 120P J 50V
C7241	403 157 1904	CERAMIC 10P D 50V
C7242	403 283 6309	CERAMIC 1U Z 10V
C7251	403 157 1904	CERAMIC 10P D 50V
C7261	403 157 1904	CERAMIC 10P D 50V
C7271	403 164 0204	CERAMIC 0.1U Z 25V
C7272	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C7273	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C7274	403 164 0204	CERAMIC 0.1U Z 25V
C806	403 322 7809	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V
C807	403 164 0204	CERAMIC 0.1U Z 25V
C811	403 175 3300	ELECT 47U M 16V
C812	403 164 0204	CERAMIC 0.1U Z 25V
C851	403 164 0204	CERAMIC 0.1U Z 25V
C861	403 164 0204	CERAMIC 0.1U Z 25V
RESISTOR		
RB1801	645 020 7822	R-NETWORK 10KX4 0.063W
	645 025 5380	R-NETWORK 10KX4 1/16W
RB1802	645 020 7822	R-NETWORK 10KX4 0.063W
	645 025 5380	R-NETWORK 10KX4 1/16W
RB301	645 037 3107	R-NETWORK 10X4 0.063W
	645 028 5981	R-NETWORK 10X4 1/16W
RB302	645 037 3107	R-NETWORK 10X4 0.063W
	645 028 5981	R-NETWORK 10X4 1/16W
RB303	645 037 3107	R-NETWORK 10X4 0.063W
	645 028 5981	R-NETWORK 10X4 1/16W
RB304	645 037 3107	R-NETWORK 10X4 0.063W
	645 028 5981	R-NETWORK 10X4 1/16W
RB306	645 037 3107	R-NETWORK 10X4 0.063W
	645 028 5981	R-NETWORK 10X4 1/16W
RB307	645 037 3107	R-NETWORK 10X4 0.063W
	645 028 5981	R-NETWORK 10X4 1/16W
RB3841	645 020 7822	R-NETWORK 10KX4 0.063W
	645 025 5380	R-NETWORK 10KX4 1/16W
RB3861	645 020 7822	R-NETWORK 10KX4 0.063W
	645 025 5380	R-NETWORK 10KX4 1/16W
RB501	645 024 7477	R-NETWORK 0X4 1/16W
	645 027 1519	R-NETWORK 0X4 1/16W
RB502	645 024 7477	R-NETWORK 0X4 1/16W
	645 027 1519	R-NETWORK 0X4 1/16W
RB503	645 024 7477	R-NETWORK 0X4 1/16W
	645 027 1519	R-NETWORK 0X4 1/16W
RB5101	645 037 0670	R-NETWORK 47X4 0.063W
	645 018 8930	R-NETWORK 47X4 1/16W
RB5102	645 037 0670	R-NETWORK 47X4 0.063W
	645 018 8930	R-NETWORK 47X4 1/16W
RB5103	645 037 0670	R-NETWORK 47X4 0.063W
	645 018 8930	R-NETWORK 47X4 1/16W
RB5104	645 037 0670	R-NETWORK 47X4 0.063W
	645 018 8930	R-NETWORK 47X4 1/16W

Ref. No.	Part No.	Description
RB531	645 024 7477	R-NETWORK 0X4 1/16W
	645 027 1519	R-NETWORK 0X4 1/16W
RB532	645 024 7477	R-NETWORK 0X4 1/16W
	645 027 1519	R-NETWORK 0X4 1/16W
RB533	645 024 7477	R-NETWORK 0X4 1/16W
	645 027 1519	R-NETWORK 0X4 1/16W
RB561	645 024 7477	R-NETWORK 0X4 1/16W
	645 027 1519	R-NETWORK 0X4 1/16W
RB562	645 024 7477	R-NETWORK 0X4 1/16W
	645 027 1519	R-NETWORK 0X4 1/16W
RB563	645 024 7477	R-NETWORK 0X4 1/16W
	645 027 1519	R-NETWORK 0X4 1/16W
RB6101	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6102	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6103	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6104	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6106	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6107	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6108	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6109	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6111	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6112	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6113	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6114	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6116	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6117	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6118	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6119	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6121	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6122	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6123	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6124	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6126	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6127	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6128	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB6129	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB851	645 020 7822	R-NETWORK 10KX4 0.063W
	645 025 5380	R-NETWORK 10KX4 1/16W
RB852	645 020 7822	R-NETWORK 10KX4 0.063W
	645 025 5380	R-NETWORK 10KX4 1/16W
RQ5223TM	401 026 3905	CARBON 330 JA 1/6W
R1401	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1402	401 105 2805	MT-GLAZE 2.2K JA 1/16W

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R1403	401 105 0504	MT-GLAZE 1K JA 1/16W	R1569	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1404	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1570	401 105 5905	MT-GLAZE 560 JA 1/16W
R1406	401 158 4108	MT-GLAZE 4.7 JA 1/16W	R1571	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1408	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1572	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1409	401 035 4108	MT-GLAZE 0.000 ZA 1/8W	R1574	401 105 0504	MT-GLAZE 1K JA 1/16W
R1412	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1576	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1451	401 105 0504	MT-GLAZE 1K JA 1/16W	R1577	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1452	401 105 5905	MT-GLAZE 560 JA 1/16W	R1578	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1453	401 148 6006	MT-GLAZE 2.2 JA 1/16W	R1579	401 105 0603	MT-GLAZE 10K JA 1/16W
R1500	401 105 0405	MT-GLAZE 100 JA 1/16W	R1581	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1501	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1582	401 105 0603	MT-GLAZE 10K JA 1/16W
R1502	401 105 7206	MT-GLAZE 82 JA 1/16W	R1583	401 105 0603	MT-GLAZE 10K JA 1/16W
R1503	401 105 7206	MT-GLAZE 82 JA 1/16W	R1584	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1504	401 105 0900	MT-GLAZE 120 JA 1/16W	R1585	401 105 0603	MT-GLAZE 10K JA 1/16W
R1505	401 105 0900	MT-GLAZE 120 JA 1/16W	R1586	401 105 0603	MT-GLAZE 10K JA 1/16W
R1506	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1587	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1507	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1590	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1509	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1591	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1510	401 105 5905	MT-GLAZE 560 JA 1/16W	R1593	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R1511	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1594	401 105 0603	MT-GLAZE 10K JA 1/16W
R1512	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1801	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R1514	401 105 0603	MT-GLAZE 10K JA 1/16W	R1802	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R1516	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1803	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1517	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1807	401 105 0603	MT-GLAZE 10K JA 1/16W
R1518	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1808	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1519	401 105 0603	MT-GLAZE 10K JA 1/16W	R1809	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1521	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1810	401 105 7305	MT-GLAZE 820 JA 1/16W
R1522	401 105 0603	MT-GLAZE 10K JA 1/16W	R1811	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1523	401 105 0603	MT-GLAZE 10K JA 1/16W	R1815	401 105 7305	MT-GLAZE 820 JA 1/16W
R1524	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1823	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R1525	401 105 0603	MT-GLAZE 10K JA 1/16W	R1826	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R1526	401 105 0603	MT-GLAZE 10K JA 1/16W	R1828	401 105 8203	MT-GLAZE 68K JA 1/16W
R1527	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1833	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1529	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1836	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1530	401 105 0405	MT-GLAZE 100 JA 1/16W	R1837	401 105 1006	MT-GLAZE 1.2K JA 1/16W
R1531	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1839	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1532	401 105 7206	MT-GLAZE 82 JA 1/16W	R1841	401 105 0603	MT-GLAZE 10K JA 1/16W
R1533	401 105 7206	MT-GLAZE 82 JA 1/16W	R1842	401 105 0603	MT-GLAZE 10K JA 1/16W
R1534	401 105 0900	MT-GLAZE 120 JA 1/16W	R1843	401 105 0603	MT-GLAZE 10K JA 1/16W
R1536	401 105 0900	MT-GLAZE 120 JA 1/16W	R1844	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1537	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1848	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1538	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1851	401 105 0603	MT-GLAZE 10K JA 1/16W
R1540	401 105 5905	MT-GLAZE 560 JA 1/16W	R1852	401 105 1105	MT-GLAZE 12K JA 1/16W
R1541	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1853	401 105 0405	MT-GLAZE 100 JA 1/16W
R1542	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1854	401 105 2508	MT-GLAZE 20K JA 1/16W
R1543	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1856	401 105 0306	MT-GLAZE 10 JA 1/16W
R1545	401 105 0504	MT-GLAZE 1K JA 1/16W	R1857	401 105 0306	MT-GLAZE 10 JA 1/16W
R1547	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1858	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1548	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1862	401 105 0603	MT-GLAZE 10K JA 1/16W
R1549	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1864	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1551	401 105 0603	MT-GLAZE 10K JA 1/16W	R1868	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R1552	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1884	401 105 0603	MT-GLAZE 10K JA 1/16W
R1553	401 105 0603	MT-GLAZE 10K JA 1/16W	R1901	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1554	401 105 0603	MT-GLAZE 10K JA 1/16W	R1902	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1555	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1903	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1556	401 105 0603	MT-GLAZE 10K JA 1/16W	R1905	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1557	401 105 0603	MT-GLAZE 10K JA 1/16W	R1908	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1558	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1911	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1559	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1912	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1560	401 105 0405	MT-GLAZE 100 JA 1/16W	R1913	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1561	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1921	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1562	401 105 7206	MT-GLAZE 82 JA 1/16W	R1922	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1563	401 105 7206	MT-GLAZE 82 JA 1/16W	R1923	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1564	401 105 0900	MT-GLAZE 120 JA 1/16W	R1931	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1565	401 105 0900	MT-GLAZE 120 JA 1/16W	R1932	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1566	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1933	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1567	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1935	401 105 5103	MT-GLAZE 47 JA 1/16W

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R1943	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2851	401 105 4502	MT-GLAZE 390 JA 1/16W
R1945	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2852	401 105 4502	MT-GLAZE 390 JA 1/16W
R1946	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2853	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R1947	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2855	401 105 0504	MT-GLAZE 1K JA 1/16W
R1949	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2857	401 105 0504	MT-GLAZE 1K JA 1/16W
R1952	401 105 0603	MT-GLAZE 10K JA 1/16W	R2859	401 105 0504	MT-GLAZE 1K JA 1/16W
R1953	401 105 0603	MT-GLAZE 10K JA 1/16W	R2861	401 105 4601	MT-GLAZE 3.9K JA 1/16W
R1955	401 105 0405	MT-GLAZE 100 JA 1/16W	R2862	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R1957	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2870	401 105 2904	MT-GLAZE 22K JA 1/16W
R1960	401 105 6605	MT-GLAZE 6.8K JA 1/16W	R2871	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1962	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2872	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1963	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2873	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1965	401 105 0603	MT-GLAZE 10K JA 1/16W	R2874	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1966	401 105 0603	MT-GLAZE 10K JA 1/16W	R2875	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1969	401 105 0603	MT-GLAZE 10K JA 1/16W	R2876	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
⚠ R1971	402 079 7704	FUSIBLE RES 1.0 JH 1/4W	R2877	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
⚠ R1972	402 079 7704	FUSIBLE RES 1.0 JH 1/4W	R2878	401 105 0405	MT-GLAZE 100 JA 1/16W
⚠ R1973	402 080 7007	FUSIBLE RES 1.8 JH 1/4W	R2879	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
⚠ R1974	402 080 7007	FUSIBLE RES 1.8 JH 1/4W	R2880	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
⚠ R1975	402 079 7704	FUSIBLE RES 1.0 JH 1/4W	R2881	401 105 0603	MT-GLAZE 10K JA 1/16W
R1992	401 105 0306	MT-GLAZE 10 JA 1/16W	R2883	401 105 0603	MT-GLAZE 10K JA 1/16W
R1994	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2884	401 105 0405	MT-GLAZE 100 JA 1/16W
R1995	401 105 5103	MT-GLAZE 47 JA 1/16W	R2887	401 105 0504	MT-GLAZE 1K JA 1/16W
R1996	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2888	401 105 0603	MT-GLAZE 10K JA 1/16W
R218	401 105 0405	MT-GLAZE 100 JA 1/16W	R2891	401 105 0504	MT-GLAZE 1K JA 1/16W
R2201	401 234 8600	MT-GLAZE 8.2K FA 1/16W	R2893	401 105 0603	MT-GLAZE 10K JA 1/16W
R2202	401 105 0603	MT-GLAZE 10K JA 1/16W	R2894	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2203	401 105 4106	MT-GLAZE 3.3K JA 1/16W	R2896	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2207TM	401 026 9303	CARBON 47 JA 1/6W	R2897	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2212	401 105 0504	MT-GLAZE 1K JA 1/16W	R301	401 105 0603	MT-GLAZE 10K JA 1/16W
R2213	401 105 4502	MT-GLAZE 390 JA 1/16W	R302	401 105 0603	MT-GLAZE 10K JA 1/16W
R2222	401 105 0504	MT-GLAZE 1K JA 1/16W	R303	401 105 0405	MT-GLAZE 100 JA 1/16W
R2223	401 105 4502	MT-GLAZE 390 JA 1/16W	R304	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R2232	401 105 0504	MT-GLAZE 1K JA 1/16W	R305	401 105 0603	MT-GLAZE 10K JA 1/16W
R2233	401 105 4502	MT-GLAZE 390 JA 1/16W	R307	401 105 0306	MT-GLAZE 10 JA 1/16W
R2236	401 113 4402	MT-GLAZE 75 JA 1/16W	R308	401 105 5905	MT-GLAZE 560 JA 1/16W
R2237	401 113 4402	MT-GLAZE 75 JA 1/16W	R309	401 113 5904	MT-GLAZE 1.3K JA 1/16W
R2238	401 113 4402	MT-GLAZE 75 JA 1/16W	R311	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R241	401 105 0405	MT-GLAZE 100 JA 1/16W	R314	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R242	401 105 0405	MT-GLAZE 100 JA 1/16W	R316	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R244	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R317	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R245	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R318	401 105 5400	MT-GLAZE 47K JA 1/16W
R246	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R321	401 105 0504	MT-GLAZE 1K JA 1/16W
R248	401 105 0603	MT-GLAZE 10K JA 1/16W	R327	401 105 0603	MT-GLAZE 10K JA 1/16W
R249	401 105 1501	MT-GLAZE 1.5K JA 1/16W	R329	401 105 0603	MT-GLAZE 10K JA 1/16W
R255	401 105 0405	MT-GLAZE 100 JA 1/16W	R3304	401 105 0603	MT-GLAZE 10K JA 1/16W
R256	401 105 0405	MT-GLAZE 100 JA 1/16W	R3305	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R258	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3306	401 105 0603	MT-GLAZE 10K JA 1/16W
R2603	401 102 7605	MT-GLAZE 27 JA 1W	R3307	401 105 0306	MT-GLAZE 10 JA 1/16W
R2604	401 102 7605	MT-GLAZE 27 JA 1W	R3308	401 105 0306	MT-GLAZE 10 JA 1/16W
R2606	401 102 7605	MT-GLAZE 27 JA 1W	R3309	401 105 0306	MT-GLAZE 10 JA 1/16W
R2607	401 102 7605	MT-GLAZE 27 JA 1W	R3310	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2608	401 102 7605	MT-GLAZE 27 JA 1W	R3314	401 105 0306	MT-GLAZE 10 JA 1/16W
R2609	401 102 7605	MT-GLAZE 27 JA 1W	R3315	401 105 0603	MT-GLAZE 10K JA 1/16W
R2611	401 105 0405	MT-GLAZE 100 JA 1/16W	R3316	401 105 0306	MT-GLAZE 10 JA 1/16W
R2612	401 198 7701	MT-GLAZE 33 JA 1W	R3317	401 105 0306	MT-GLAZE 10 JA 1/16W
R2613	401 198 7701	MT-GLAZE 33 JA 1W	R3319	401 105 0306	MT-GLAZE 10 JA 1/16W
R2616	401 198 7701	MT-GLAZE 33 JA 1W	R332	401 105 0603	MT-GLAZE 10K JA 1/16W
R2617	401 198 7701	MT-GLAZE 33 JA 1W	R3321	401 105 0306	MT-GLAZE 10 JA 1/16W
R2618	401 198 7701	MT-GLAZE 33 JA 1W	R3322	401 105 0306	MT-GLAZE 10 JA 1/16W
R2619	401 198 7701	MT-GLAZE 33 JA 1W	R3323	401 105 0306	MT-GLAZE 10 JA 1/16W
R2621	401 198 7909	MT-GLAZE 47 JA 1W	R3326	401 105 0306	MT-GLAZE 10 JA 1/16W
R2623	401 234 8105	MT-GLAZE 4.7 JA 1W	R3327	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2624	401 234 8105	MT-GLAZE 4.7 JA 1W	R3328	401 105 0306	MT-GLAZE 10 JA 1/16W
R2626	401 234 8105	MT-GLAZE 4.7 JA 1W	R3329	401 105 0306	MT-GLAZE 10 JA 1/16W
R2627	401 234 8105	MT-GLAZE 4.7 JA 1W	R3331	401 105 0306	MT-GLAZE 10 JA 1/16W
R2633	401 198 7909	MT-GLAZE 47 JA 1W	R3333	401 105 7909	MT-GLAZE 0.000 ZA 1/16W

Electrical Parts List

Ref. No.	Part No.	Description
R3334	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3336	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3337	401 105 0306	MT-GLAZE 10 JA 1/16W
R3339	401 105 0306	MT-GLAZE 10 JA 1/16W
R334	401 105 0603	MT-GLAZE 10K JA 1/16W
R3341	401 105 0603	MT-GLAZE 10K JA 1/16W
R3342	401 105 0306	MT-GLAZE 10 JA 1/16W
R3343	401 105 0306	MT-GLAZE 10 JA 1/16W
R3346	401 105 0306	MT-GLAZE 10 JA 1/16W
R3348	401 105 0306	MT-GLAZE 10 JA 1/16W
R3349	401 105 0603	MT-GLAZE 10K JA 1/16W
R3351	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3354	401 105 5103	MT-GLAZE 47 JA 1/16W
R336	401 105 0306	MT-GLAZE 10 JA 1/16W
R3360	401 105 5103	MT-GLAZE 47 JA 1/16W
R3361	401 105 0306	MT-GLAZE 10 JA 1/16W
R3362	401 105 0306	MT-GLAZE 10 JA 1/16W
R3363	401 105 0306	MT-GLAZE 10 JA 1/16W
R3364	401 105 0306	MT-GLAZE 10 JA 1/16W
R337	401 105 0306	MT-GLAZE 10 JA 1/16W
R3371	401 105 0306	MT-GLAZE 10 JA 1/16W
R3372	401 105 0306	MT-GLAZE 10 JA 1/16W
R3373	401 105 0306	MT-GLAZE 10 JA 1/16W
R3376	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R338	401 105 0306	MT-GLAZE 10 JA 1/16W
R3381	401 105 0306	MT-GLAZE 10 JA 1/16W
R3382	401 105 0306	MT-GLAZE 10 JA 1/16W
R3383	401 105 0306	MT-GLAZE 10 JA 1/16W
R3384	401 105 0306	MT-GLAZE 10 JA 1/16W
R3386	401 105 0306	MT-GLAZE 10 JA 1/16W
R3387	401 105 0306	MT-GLAZE 10 JA 1/16W
R3388	401 105 0306	MT-GLAZE 10 JA 1/16W
R3389	401 105 0306	MT-GLAZE 10 JA 1/16W
R339	401 105 0306	MT-GLAZE 10 JA 1/16W
R3390	401 105 0306	MT-GLAZE 10 JA 1/16W
R3391	401 105 0306	MT-GLAZE 10 JA 1/16W
R3392	401 105 0306	MT-GLAZE 10 JA 1/16W
R3393	401 105 0306	MT-GLAZE 10 JA 1/16W
R3394	401 105 0306	MT-GLAZE 10 JA 1/16W
R3396	401 105 0306	MT-GLAZE 10 JA 1/16W
R3399	401 105 0306	MT-GLAZE 10 JA 1/16W
R340	401 105 0603	MT-GLAZE 10K JA 1/16W
R3400	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R343	401 105 0603	MT-GLAZE 10K JA 1/16W
R346	401 105 0603	MT-GLAZE 10K JA 1/16W
R349	401 105 0603	MT-GLAZE 10K JA 1/16W
R350	401 105 0306	MT-GLAZE 10 JA 1/16W
R3506	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3507	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3508	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3509	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R351	401 105 0603	MT-GLAZE 10K JA 1/16W
R3516	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3517	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3518	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R353	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R354	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R356	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R359	401 105 0603	MT-GLAZE 10K JA 1/16W
R361	401 105 0405	MT-GLAZE 100 JA 1/16W
R367	401 105 0603	MT-GLAZE 10K JA 1/16W
R371	401 105 0306	MT-GLAZE 10 JA 1/16W
R373	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R3801	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3806	401 105 0405	MT-GLAZE 100 JA 1/16W
R3811	401 105 0603	MT-GLAZE 10K JA 1/16W
R3812	401 105 0603	MT-GLAZE 10K JA 1/16W
R3813	401 105 0603	MT-GLAZE 10K JA 1/16W
R3814	401 105 0603	MT-GLAZE 10K JA 1/16W
R3816	401 105 0603	MT-GLAZE 10K JA 1/16W
R3841	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3842	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3851	401 105 0603	MT-GLAZE 10K JA 1/16W
R3852	401 105 4205	MT-GLAZE 33K JA 1/16W
R3861	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3862	401 105 0603	MT-GLAZE 10K JA 1/16W
R3863	401 105 0603	MT-GLAZE 10K JA 1/16W
R3864	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3866	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3867	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3871	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3882	401 105 0405	MT-GLAZE 100 JA 1/16W
R3883	401 105 0603	MT-GLAZE 10K JA 1/16W
R3884	401 105 0405	MT-GLAZE 100 JA 1/16W
R3891	401 105 0405	MT-GLAZE 100 JA 1/16W
R401	401 105 0504	MT-GLAZE 1K JA 1/16W
R402	401 105 0504	MT-GLAZE 1K JA 1/16W
R403	401 217 3202	MT-GLAZE 51K FA 1/16W
R404	401 212 1708	MT-GLAZE 24K FA 1/16W
R405	401 105 0504	MT-GLAZE 1K JA 1/16W
R406	401 105 0504	MT-GLAZE 1K JA 1/16W
R407	401 105 0504	MT-GLAZE 1K JA 1/16W
R409	401 105 8203	MT-GLAZE 68K JA 1/16W
R410	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R411	401 105 4700	MT-GLAZE 39K JA 1/16W
R412	401 105 8104	MT-GLAZE 56K JA 1/16W
R413	401 105 0603	MT-GLAZE 10K JA 1/16W
R414	401 105 0603	MT-GLAZE 10K JA 1/16W
R415	401 105 0603	MT-GLAZE 10K JA 1/16W
R416	401 105 1105	MT-GLAZE 12K JA 1/16W
R417	401 105 1105	MT-GLAZE 12K JA 1/16W
R418	401 105 1105	MT-GLAZE 12K JA 1/16W
R419	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R420	401 105 0504	MT-GLAZE 1K JA 1/16W
R421	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R422	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R423	401 105 0306	MT-GLAZE 10 JA 1/16W
R424	401 105 0306	MT-GLAZE 10 JA 1/16W
R430	401 105 0405	MT-GLAZE 100 JA 1/16W
R431	401 105 0405	MT-GLAZE 100 JA 1/16W
R432	401 105 0405	MT-GLAZE 100 JA 1/16W
R433	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R434	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R435	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R436	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R437	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R438	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R439	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R441	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R442	401 105 1105	MT-GLAZE 12K JA 1/16W
R443	401 105 1105	MT-GLAZE 12K JA 1/16W
R444	401 105 1105	MT-GLAZE 12K JA 1/16W
R445	401 105 0603	MT-GLAZE 10K JA 1/16W
R446	401 105 0603	MT-GLAZE 10K JA 1/16W
R447	401 105 0603	MT-GLAZE 10K JA 1/16W
R451	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R452	401 105 0603	MT-GLAZE 10K JA 1/16W
R453	401 105 0603	MT-GLAZE 10K JA 1/16W
R454	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R461	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R463	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R466	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R470	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R471	401 105 0504	MT-GLAZE 1K JA 1/16W

Electrical Parts List

Ref. No.	Part No.	Description
R473	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R474	401 105 0603	MT-GLAZE 10K JA 1/16W
R476	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R477	401 105 4502	MT-GLAZE 390 JA 1/16W
R478	401 105 0504	MT-GLAZE 1K JA 1/16W
R479	401 105 0504	MT-GLAZE 1K JA 1/16W
R481	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R482	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R483	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R484	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R486	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R491	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R492	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R493	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R494	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R500	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5001	401 105 0702	MT-GLAZE 100K JA 1/16W
R5002	401 105 0702	MT-GLAZE 100K JA 1/16W
R5003	401 105 0702	MT-GLAZE 100K JA 1/16W
R5004	401 105 0702	MT-GLAZE 100K JA 1/16W
R5005	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5006	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R5007	401 105 1105	MT-GLAZE 12K JA 1/16W
R5008	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5009	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R501	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5010	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R5011	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R5013	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5014	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R5015	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5016	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R5017	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R5018	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R502	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R5020	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5021	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5022	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5023	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5024	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5026	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R5027	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R5028	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R5029	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R503	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R5031	401 105 5202	MT-GLAZE 470 JA 1/16W
R5036	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5037	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R504	401 105 0504	MT-GLAZE 1K JA 1/16W
R5041	401 105 0603	MT-GLAZE 10K JA 1/16W
R5043	401 105 0603	MT-GLAZE 10K JA 1/16W
R5044	401 105 0603	MT-GLAZE 10K JA 1/16W
R5046	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R5047	401 105 0603	MT-GLAZE 10K JA 1/16W
R5048	401 105 2904	MT-GLAZE 22K JA 1/16W
R505	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R506	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R507	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R509	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R510	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5103	401 105 1808	MT-GLAZE 18 JA 1/16W
R5104	401 105 1808	MT-GLAZE 18 JA 1/16W
R5106	401 105 1808	MT-GLAZE 18 JA 1/16W
R5107	401 105 5806	MT-GLAZE 56 JA 1/16W
R5108	401 105 5806	MT-GLAZE 56 JA 1/16W
R5109	401 105 5806	MT-GLAZE 56 JA 1/16W
R511	401 105 7909	MT-GLAZE 0.000 ZA 1/16W

Ref. No.	Part No.	Description
R5110	401 105 0306	MT-GLAZE 10 JA 1/16W
R5113	401 105 0603	MT-GLAZE 10K JA 1/16W
R5114	401 105 0603	MT-GLAZE 10K JA 1/16W
R5115	401 105 0306	MT-GLAZE 10 JA 1/16W
R512	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R513	401 105 0504	MT-GLAZE 1K JA 1/16W
R5136	401 105 5103	MT-GLAZE 47 JA 1/16W
R5137	401 105 5103	MT-GLAZE 47 JA 1/16W
R5138	401 105 5103	MT-GLAZE 47 JA 1/16W
R5139	401 105 5103	MT-GLAZE 47 JA 1/16W
R5141	401 105 5103	MT-GLAZE 47 JA 1/16W
R5144	401 105 5103	MT-GLAZE 47 JA 1/16W
R516	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R517	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R518	401 105 0306	MT-GLAZE 10 JA 1/16W
R5181	401 113 4402	MT-GLAZE 75 JA 1/16W
R519	401 105 0504	MT-GLAZE 1K JA 1/16W
R5191	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R520	401 105 0603	MT-GLAZE 10K JA 1/16W
R5201	401 105 0504	MT-GLAZE 1K JA 1/16W
R5202	401 105 0306	MT-GLAZE 10 JA 1/16W
R5203	401 105 0306	MT-GLAZE 10 JA 1/16W
R5204	401 105 0504	MT-GLAZE 1K JA 1/16W
R5206	401 105 0504	MT-GLAZE 1K JA 1/16W
R5207	401 105 0306	MT-GLAZE 10 JA 1/16W
R5208	401 105 0306	MT-GLAZE 10 JA 1/16W
R5209	401 105 0504	MT-GLAZE 1K JA 1/16W
R521	401 105 0504	MT-GLAZE 1K JA 1/16W
R5211	401 262 8504	MT-GLAZE 62 FA 1/16W
R5212	401 105 0405	MT-GLAZE 100 JA 1/16W
R5213	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5214	401 105 0504	MT-GLAZE 1K JA 1/16W
R5215	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5217	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R5218	401 105 2904	MT-GLAZE 22K JA 1/16W
R5219	401 105 0603	MT-GLAZE 10K JA 1/16W
R5221	401 262 8504	MT-GLAZE 62 FA 1/16W
R5222	401 105 0405	MT-GLAZE 100 JA 1/16W
R5223	401 105 0504	MT-GLAZE 1K JA 1/16W
R5225	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5227	401 262 8504	MT-GLAZE 62 FA 1/16W
R5228	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R523	401 105 1105	MT-GLAZE 12K JA 1/16W
R5231	401 262 8504	MT-GLAZE 62 FA 1/16W
R5232	401 105 0405	MT-GLAZE 100 JA 1/16W
R5233	401 105 0504	MT-GLAZE 1K JA 1/16W
R5235	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R524	401 105 0603	MT-GLAZE 10K JA 1/16W
R5245	401 105 6506	MT-GLAZE 680 JA 1/16W
R5247	401 105 6506	MT-GLAZE 680 JA 1/16W
R5249	401 105 6506	MT-GLAZE 680 JA 1/16W
R5251	645 033 1725	INDUCTOR,80 OHM
R5252	401 113 4907	MT-GLAZE 200 JA 1/16W
R5253	401 105 0900	MT-GLAZE 120 JA 1/16W
R5255	401 105 0306	MT-GLAZE 10 JA 1/16W
R5256	401 105 0504	MT-GLAZE 1K JA 1/16W
R5257	401 105 4601	MT-GLAZE 3.9K JA 1/16W
R5259	401 105 3901	MT-GLAZE 33 JA 1/16W
R5259R	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R526	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5261	645 033 1725	INDUCTOR,80 OHM
R5262	401 113 4907	MT-GLAZE 200 JA 1/16W
R5263	401 105 0900	MT-GLAZE 120 JA 1/16W
R5265	401 105 0306	MT-GLAZE 10 JA 1/16W
R5266	401 105 0504	MT-GLAZE 1K JA 1/16W
R5267	401 105 4601	MT-GLAZE 3.9K JA 1/16W
R5269	401 105 3901	MT-GLAZE 33 JA 1/16W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R5269G	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R581	401 105 0504	MT-GLAZE 1K JA 1/16W
R5270	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R582	401 105 0504	MT-GLAZE 1K JA 1/16W
R5271	645 033 1725	INDUCTOR,80 OHM	R584	401 105 1105	MT-GLAZE 12K JA 1/16W
R5272	401 113 4907	MT-GLAZE 200 JA 1/16W	R585	401 105 0603	MT-GLAZE 10K JA 1/16W
R5273	401 105 0900	MT-GLAZE 120 JA 1/16W	R587	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5275	401 105 0306	MT-GLAZE 10 JA 1/16W	R589	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5276	401 105 0504	MT-GLAZE 1K JA 1/16W	R590	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5277	401 105 4601	MT-GLAZE 3.9K JA 1/16W	R592	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R5279	401 105 3901	MT-GLAZE 33 JA 1/16W	R593	401 105 0504	MT-GLAZE 1K JA 1/16W
R5279B	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R594	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R528	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R595	401 105 0504	MT-GLAZE 1K JA 1/16W
R5280	401 105 0306	MT-GLAZE 10 JA 1/16W	R6101	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5281	401 113 4402	MT-GLAZE 75 JA 1/16W	R6103	401 105 5202	MT-GLAZE 470 JA 1/16W
R5282	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6104	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5283V	401 105 0504	MT-GLAZE 1K JA 1/16W	R6106	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5283Y	401 105 0504	MT-GLAZE 1K JA 1/16W	R6109	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5284	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6111	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5285	401 105 0900	MT-GLAZE 120 JA 1/16W	R6113	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5286	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6118	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5287	401 105 0504	MT-GLAZE 1K JA 1/16W	R6120	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5289	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6122	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5291	401 113 4402	MT-GLAZE 75 JA 1/16W	R6123	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5292	401 113 4402	MT-GLAZE 75 JA 1/16W	R6126	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5294	401 113 4402	MT-GLAZE 75 JA 1/16W	R6128	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5296	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6131	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5298	401 105 0504	MT-GLAZE 1K JA 1/16W	R6135	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5299	401 262 8504	MT-GLAZE 62 FA 1/16W	R6136	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R530	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6137	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R531	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6139	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R532	401 105 2003	MT-GLAZE 1.8K JA 1/16W	R6142	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R533	401 105 2805	MT-GLAZE 2.2K JA 1/16W	R6143	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R534	401 105 0504	MT-GLAZE 1K JA 1/16W	R6146	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R535	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6149	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R536	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6150	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R537	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6152	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R538	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6156	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R541	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6157	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R542	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6158	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R543	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6163	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R544	401 105 0504	MT-GLAZE 1K JA 1/16W	R6165	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R547	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6167	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R548	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6201	401 113 4402	MT-GLAZE 75 JA 1/16W
R549	401 105 0306	MT-GLAZE 10 JA 1/16W	R6202	401 113 4402	MT-GLAZE 75 JA 1/16W
R551	401 105 0504	MT-GLAZE 1K JA 1/16W	R6203	401 113 4402	MT-GLAZE 75 JA 1/16W
R552	401 105 0504	MT-GLAZE 1K JA 1/16W	R6204	401 113 4402	MT-GLAZE 75 JA 1/16W
R553	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6206	401 113 4402	MT-GLAZE 75 JA 1/16W
R554	401 105 1105	MT-GLAZE 12K JA 1/16W	R6207	401 113 4402	MT-GLAZE 75 JA 1/16W
R555	401 105 0603	MT-GLAZE 10K JA 1/16W	R6208	401 113 4402	MT-GLAZE 75 JA 1/16W
R557	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6209	401 113 4402	MT-GLAZE 75 JA 1/16W
R559	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6211	401 113 4402	MT-GLAZE 75 JA 1/16W
R560	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6212	401 113 4402	MT-GLAZE 75 JA 1/16W
R561	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6213	401 113 4402	MT-GLAZE 75 JA 1/16W
R562	401 105 2003	MT-GLAZE 1.8K JA 1/16W	R6214	401 113 4402	MT-GLAZE 75 JA 1/16W
R563	401 105 2805	MT-GLAZE 2.2K JA 1/16W	R6221	401 113 4402	MT-GLAZE 75 JA 1/16W
R564	401 105 0504	MT-GLAZE 1K JA 1/16W	R6223	401 113 4402	MT-GLAZE 75 JA 1/16W
R565	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6226	401 113 4402	MT-GLAZE 75 JA 1/16W
R566	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6228	401 113 4402	MT-GLAZE 75 JA 1/16W
R567	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6231	401 113 4402	MT-GLAZE 75 JA 1/16W
R568	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6232	401 105 0603	MT-GLAZE 10K JA 1/16W
R571	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6233	401 113 4402	MT-GLAZE 75 JA 1/16W
R572	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6236	401 113 4402	MT-GLAZE 75 JA 1/16W
R573	401 105 0504	MT-GLAZE 1K JA 1/16W	R6237	401 105 0603	MT-GLAZE 10K JA 1/16W
R575	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6238	401 113 4402	MT-GLAZE 75 JA 1/16W
R577	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6600	401 113 5508	MT-GLAZE 620 JA 1/16W
R578	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6602	401 105 0504	MT-GLAZE 1K JA 1/16W
R579	401 105 0306	MT-GLAZE 10 JA 1/16W	R6603	401 105 0306	MT-GLAZE 10 JA 1/16W
R580	401 105 0603	MT-GLAZE 10K JA 1/16W	R6604	401 105 0504	MT-GLAZE 1K JA 1/16W

Ref. No.	Part No.	Description
R6605	401 105 0504	MT-GLAZE 1K JA 1/16W
R6606	401 105 0603	MT-GLAZE 10K JA 1/16W
R6607	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6611	401 105 0603	MT-GLAZE 10K JA 1/16W
R6612	401 105 0603	MT-GLAZE 10K JA 1/16W
R6613	401 105 0306	MT-GLAZE 10 JA 1/16W
R6615	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6617	401 105 0603	MT-GLAZE 10K JA 1/16W
R6621	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R6622	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6650	401 105 1006	MT-GLAZE 1.2K JA 1/16W
R6655	401 105 0603	MT-GLAZE 10K JA 1/16W
R6656	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6658	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6902	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6904	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6906	401 105 0504	MT-GLAZE 1K JA 1/16W
R6907	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6909	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6911	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6913	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6914	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6918	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6919	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6921	401 105 0504	MT-GLAZE 1K JA 1/16W
R6923	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6924	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6926	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6927	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6928	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6929	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6932	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6933	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6936	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6942	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6943	401 105 1808	MT-GLAZE 18 JA 1/16W
R6944	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6946	401 105 0504	MT-GLAZE 1K JA 1/16W
R6947	401 105 0504	MT-GLAZE 1K JA 1/16W
R6949	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6951	401 105 0603	MT-GLAZE 10K JA 1/16W
R6954	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6957	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6959	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6961	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6963	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6966	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6968	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6972	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6973	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6976	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6979	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6981	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6983	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6984	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6987	401 105 5806	MT-GLAZE 56 JA 1/16W
R7221	401 105 0405	MT-GLAZE 100 JA 1/16W
R7222	401 105 0603	MT-GLAZE 10K JA 1/16W
R7224	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R7228	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R7241	401 230 2503	MT-GLAZE 1K FA 1/16W
R7242	401 235 4403	MT-GLAZE 560 FA 1/16W
R7243	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R7244	401 218 4505	MT-GLAZE 2.2K FA 1/16W
R7246	401 105 1907	MT-GLAZE 180 JA 1/16W
R7247	401 218 4406	MT-GLAZE 1.2K FA 1/16W
R7248	401 105 6605	MT-GLAZE 6.8K JA 1/16W

Ref. No.	Part No.	Description
R7251	401 230 2503	MT-GLAZE 1K FA 1/16W
R7252	401 262 8306	MT-GLAZE 470 FA 1/16W
R7253	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R7254	401 218 4505	MT-GLAZE 2.2K FA 1/16W
R7256	401 218 4406	MT-GLAZE 1.2K FA 1/16W
R7257	401 286 3400	MT-GLAZE 10 FA 1/16W
R7258	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R7260	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R7261	401 260 4706	MT-GLAZE 1.5K FA 1/16W
R7262	401 217 3905	MT-GLAZE 3.3K FA 1/16W
R7263	401 219 1107	MT-GLAZE 1.8K FA 1/16W
R7264	401 218 4505	MT-GLAZE 2.2K FA 1/16W
R7265	401 190 2209	MT-GLAZE 220 FA 1/16W
R7266	401 203 9805	MT-GLAZE 2.7K FA 1/16W
R7267	401 262 8306	MT-GLAZE 470 FA 1/16W
R7268	401 218 4604	MT-GLAZE 5.6K FA 1/16W
R7269	401 218 4505	MT-GLAZE 2.2K FA 1/16W
R7281	401 105 2607	MT-GLAZE 22 JA 1/16W
R7283	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R7286	401 105 0504	MT-GLAZE 1K JA 1/16W
R7288	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R802	401 105 0603	MT-GLAZE 10K JA 1/16W
R803	401 105 0603	MT-GLAZE 10K JA 1/16W
R806	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R807	401 105 0603	MT-GLAZE 10K JA 1/16W
R808	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R809	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R820	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R823	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R824	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R825	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R826	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R827	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R851	401 105 0603	MT-GLAZE 10K JA 1/16W
R852	401 105 0603	MT-GLAZE 10K JA 1/16W
R853	401 105 0405	MT-GLAZE 100 JA 1/16W
R854	401 105 0405	MT-GLAZE 100 JA 1/16W
R856	401 105 0405	MT-GLAZE 100 JA 1/16W
R857	401 105 0405	MT-GLAZE 100 JA 1/16W
R859	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R861	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R862	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R863	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R864	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R865	401 105 0405	MT-GLAZE 100 JA 1/16W
R866	401 105 0405	MT-GLAZE 100 JA 1/16W
R867	401 105 0405	MT-GLAZE 100 JA 1/16W
R868	401 105 0405	MT-GLAZE 100 JA 1/16W
R869	401 105 0405	MT-GLAZE 100 JA 1/16W
R871	401 105 0306	MT-GLAZE 10 JA 1/16W
R872	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R873	401 105 6506	MT-GLAZE 680 JA 1/16W
R874	401 105 4007	MT-GLAZE 330 JA 1/16W
VARIABLE RESISTOR		
VR401	645 025 7421	VR,SEMI,10K S
VR402	645 025 7421	VR,SEMI,10K S
VR502	645 025 7421	VR,SEMI,10K S
VR503	645 025 7421	VR,SEMI,10K S
VR532	645 025 7421	VR,SEMI,10K S
VR533	645 025 7421	VR,SEMI,10K S
VR562	645 025 7421	VR,SEMI,10K S
VR563	645 025 7421	VR,SEMI,10K S
VR6601	645 025 7414	VR,SEMI,1K S
COIL		
L1401	645 020 1776	INDUCTOR,3.3U M

Ref. No.	Part No.	Description
L1411	645 020 1776	INDUCTOR,3.3U M
L1451	645 020 1776	INDUCTOR,3.3U M
L1501	645 020 1776	INDUCTOR,3.3U M
L1502	645 002 5129	INDUCTOR,0.47U M
L1505	645 002 5129	INDUCTOR,0.47U M
L1531	645 020 1776	INDUCTOR,3.3U M
L1532	645 002 5129	INDUCTOR,0.47U M
L1535	645 002 5129	INDUCTOR,0.47U M
L1561	645 020 1776	INDUCTOR,3.3U M
L1562	645 002 5129	INDUCTOR,0.47U M
L1565	645 002 5129	INDUCTOR,0.47U M
L1961	645 020 1776	INDUCTOR,3.3U M
L1971	645 020 1776	INDUCTOR,3.3U M
L211	645 020 1776	INDUCTOR,3.3U M
L212	645 020 1776	INDUCTOR,3.3U M
L2202	645 020 1776	INDUCTOR,3.3U M
L2204	645 020 1776	INDUCTOR,3.3U M
L431	645 026 1008	INDUCTOR,3.3U M
L501	645 020 1776	INDUCTOR,3.3U M
L502	645 002 5129	INDUCTOR,0.47U M
L506	645 002 5129	INDUCTOR,0.47U M
L5102	645 020 1776	INDUCTOR,3.3U M
L5106	645 020 1776	INDUCTOR,3.3U M
L5201	645 020 1776	INDUCTOR,3.3U M
L5202	645 002 5129	INDUCTOR,0.47U M
L5203	645 002 5129	INDUCTOR,0.47U M
L5251	645 002 5129	INDUCTOR,0.47U M
L5252	645 002 5129	INDUCTOR,0.47U M
L5281	645 020 1776	INDUCTOR,3.3U M
L5282	645 002 5129	INDUCTOR,0.47U M
L531	645 020 1776	INDUCTOR,3.3U M
L532	645 002 5129	INDUCTOR,0.47U M
L536	645 002 5129	INDUCTOR,0.47U M
L561	645 020 1776	INDUCTOR,3.3U M
L562	645 002 5129	INDUCTOR,0.47U M
L566	645 002 5129	INDUCTOR,0.47U M
L7271	645 026 1008	INDUCTOR,3.3U M
L7272	645 026 1008	INDUCTOR,3.3U M
DIODE		
D1831	407 149 0807	DIODE 1SS355-TE-17
D1971	407 149 0807	DIODE 1SS355-TE-17
D2631	407 149 0807	DIODE 1SS355-TE-17
D2643	407 149 0807	DIODE 1SS355-TE-17
D2851	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2852	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2853	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2854	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2861	407 209 7500	LED SML-210YT T86 L
D2863	407 203 7803	LED SML-210LT T86 M
D2864	407 210 0200	LED SML-210PT T86 K
D2865	407 203 7803	LED SML-210LT T86 M
D2891	407 149 0807	DIODE 1SS355-TE-17
D3301	407 149 0807	DIODE 1SS355-TE-17
D3851	407 179 1706	ZENER DIODE UDZ5.1B-TE-17
D3882	407 149 0807	DIODE 1SS355-TE-17
D451	407 149 0807	DIODE 1SS355-TE-17
D471	407 149 0807	DIODE 1SS355-TE-17
D5001	407 149 0807	DIODE 1SS355-TE-17
D5002	407 149 0807	DIODE 1SS355-TE-17
D5211	407 149 0807	DIODE 1SS355-TE-17
D5221	407 149 0807	DIODE 1SS355-TE-17
D5231	407 149 0807	DIODE 1SS355-TE-17
D5281	407 149 0807	DIODE 1SS355-TE-17
D5282	407 149 0807	DIODE 1SS355-TE-17
D5283	407 149 0807	DIODE 1SS355-TE-17
D6612	407 004 0706	DIODE DCB015-TB
D6613	407 004 0706	DIODE DCB015-TB
D6801	407 149 0807	DIODE 1SS355-TE-17
D6802	407 149 0807	DIODE 1SS355-TE-17
D6803	407 149 0807	DIODE 1SS355-TE-17
D851	407 149 0807	DIODE 1SS355-TE-17
MISCELLANEOUS		
SW6801	645 026 2791	SWITCH,PUSH 1P-1TX1
SW6802	645 026 2791	SWITCH,PUSH 1P-1TX1
SW6803	645 026 2791	SWITCH,PUSH 1P-1TX1
SW6804	645 026 2791	SWITCH,PUSH 1P-1TX1
SW6806	645 026 2791	SWITCH,PUSH 1P-1TX1
SW6807	645 026 2791	SWITCH,PUSH 1P-1TX1
SW6808	645 026 2791	SWITCH,PUSH 1P-1TX1
SW6809	645 026 2791	SWITCH,PUSH 1P-1TX1
SW6871	645 026 2791	SWITCH,PUSH 1P-1TX1
X1951	645 037 9352	OSC,CRYSTAL 24.000MHZ
X1961	645 036 3788	OSC,CRISTAL,16.000MHZ
X2881	645 025 4468	OSC,CRYSTAL 3.579545MHZ
X3801	645 021 1218	OSC,CERAMIC 8.00MHZ
	645 037 5187	OSC,CERAMIC 8.00MHZ
X3841	645 021 1218	OSC,CERAMIC 8.00MHZ
	645 037 5187	OSC,CERAMIC 8.00MHZ
X3861	645 024 8566	OSC,CERAMIC 6.00MHZ
	645 037 5217	OSC,CERAMIC 6.00MHZ
X5101	645 037 4623	OSC,CRYSTAL 24.576MHZ

610 287 9285 ASSY,PWB,TEMP MP6A
1AA0B10C3010B

INTEGRATED CIRCUIT

Ref. No.	Part No.	Description
IC1832	409 481 8602	IC LM76CHMX-5

CAPACITOR

Ref. No.	Part No.	Description		
C1833	403 205 7803	TA-SOLID	2.2U M	16V
C1871	403 157 3809	CERAMIC	120P J	50V
C1872	403 155 1609	CERAMIC	33P J	50V

RESISTOR

Ref. No.	Part No.	Description		
R1870	401 105 7909	MT-GLAZE	0.000 ZA	1/16W
R1871	401 105 0306	MT-GLAZE	10 JA	1/16W
R1872	401 105 0306	MT-GLAZE	10 JA	1/16W
R1873	401 105 0603	MT-GLAZE	10K JA	1/16W
R1874	401 105 7909	MT-GLAZE	0.000 ZA	1/16W

610 292 4985 ASSY,PWB,COMPONENT MP6AA
1AA0B10C302AB

TRANSISTOR

Ref. No.	Part No.	Description
Q2651	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q2661	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q2671	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S

Ref. No.	Part No.	Description
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q2681	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q2691	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q2701	405 047 9007	TR 2SB1204-S-TL
	405 047 9106	TR 2SB1204-T-TL
Q2702	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q6611	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
INTEGRATED CIRCUIT		
IC2641	409 461 7809	IC PQ20WZ11
IC2651	409 461 7809	IC PQ20WZ11
IC2661	409 461 7809	IC PQ20WZ11
IC2671	409 461 7809	IC PQ20WZ11
IC2681	409 461 7809	IC PQ20WZ11
IC2691	409 461 7809	IC PQ20WZ11
CAPACITOR		
C2501	403 229 3508	ELECT 100U M 16V
	403 335 0408	ELECT 100U M 16V
C2502	403 164 0204	CERAMIC 0.1U Z 25V
C2503	403 229 3508	ELECT 100U M 16V
	403 335 0408	ELECT 100U M 16V
C2504	403 164 0204	CERAMIC 0.1U Z 25V
C2505	403 175 4109	ELECT 22U M 16V
C2506	403 164 0204	CERAMIC 0.1U Z 25V
C2507	403 164 0204	CERAMIC 0.1U Z 25V
C2508	403 164 0204	CERAMIC 0.1U Z 25V
C2509	403 164 0204	CERAMIC 0.1U Z 25V
C2520	403 175 4109	ELECT 22U M 16V
C2521	403 164 0204	CERAMIC 0.1U Z 25V
C2522	403 164 0204	CERAMIC 0.1U Z 25V
C2523	403 164 0204	CERAMIC 0.1U Z 25V
C2524	403 164 0204	CERAMIC 0.1U Z 25V
C2540	403 175 4109	ELECT 22U M 16V
C2541	403 164 0204	CERAMIC 0.1U Z 25V
C2542	403 164 0204	CERAMIC 0.1U Z 25V
C2543	403 164 0204	CERAMIC 0.1U Z 25V
C2544	403 164 0204	CERAMIC 0.1U Z 25V
C2545	403 229 3508	ELECT 100U M 16V
	403 335 0408	ELECT 100U M 16V
C2546	403 229 3508	ELECT 100U M 16V
	403 335 0408	ELECT 100U M 16V
C2641	403 229 3508	ELECT 100U M 16V
C2642	403 149 9208	CERAMIC 0.01U Z 50V
C2643	403 149 9208	CERAMIC 0.01U Z 50V
C2651	403 229 3508	ELECT 100U M 16V
C2652	403 149 9208	CERAMIC 0.01U Z 50V
C2653	403 149 9208	CERAMIC 0.01U Z 50V
C2661	403 229 3508	ELECT 100U M 16V
C2662	403 149 9208	CERAMIC 0.01U Z 50V
C2663	403 149 9208	CERAMIC 0.01U Z 50V
C2671	403 229 3508	ELECT 100U M 16V
C2672	403 149 9208	CERAMIC 0.01U Z 50V
C2673	403 149 9208	CERAMIC 0.01U Z 50V
C2681	403 229 3508	ELECT 100U M 16V
C2682	403 149 9208	CERAMIC 0.01U Z 50V
C2683	403 149 9208	CERAMIC 0.01U Z 50V
C2691	403 229 3508	ELECT 100U M 16V
C2692	403 149 9208	CERAMIC 0.01U Z 50V
C2693	403 149 9208	CERAMIC 0.01U Z 50V
C6614	403 229 3508	ELECT 100U M 16V
C6616	403 229 3508	ELECT 100U M 16V
RESISTOR		
R2501	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R2502	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R2504	401 038 7601	MT-GLAZE 560 JA 1/10W
R2505	401 037 7800	MT-GLAZE 150 JA 1/10W
R2506	401 105 0306	MT-GLAZE 10 JA 1/16W
R2507	401 105 0306	MT-GLAZE 10 JA 1/16W
R2508	401 105 0306	MT-GLAZE 10 JA 1/16W
R2509	401 105 0306	MT-GLAZE 10 JA 1/16W
R2510	401 105 0306	MT-GLAZE 10 JA 1/16W
R2511	401 105 0306	MT-GLAZE 10 JA 1/16W
R2512	401 105 0306	MT-GLAZE 10 JA 1/16W
R2513	401 105 0306	MT-GLAZE 10 JA 1/16W
R2514	401 105 0306	MT-GLAZE 10 JA 1/16W
R2515	401 105 0306	MT-GLAZE 10 JA 1/16W
R2516	401 148 6006	MT-GLAZE 2.2 JA 1/16W
R2517	401 148 6006	MT-GLAZE 2.2 JA 1/16W
R2520	401 105 0306	MT-GLAZE 10 JA 1/16W
R2521	401 105 0306	MT-GLAZE 10 JA 1/16W
R2522	401 105 0306	MT-GLAZE 10 JA 1/16W
R2523	401 105 0306	MT-GLAZE 10 JA 1/16W
R2524	401 105 0306	MT-GLAZE 10 JA 1/16W
R2525	401 105 0306	MT-GLAZE 10 JA 1/16W
R2526	401 105 0306	MT-GLAZE 10 JA 1/16W
R2527	401 105 0306	MT-GLAZE 10 JA 1/16W
R2528	401 105 0306	MT-GLAZE 10 JA 1/16W
R2529	401 105 0306	MT-GLAZE 10 JA 1/16W
R2530	401 148 6006	MT-GLAZE 2.2 JA 1/16W
R2531	401 148 6006	MT-GLAZE 2.2 JA 1/16W
R2540	401 105 0306	MT-GLAZE 10 JA 1/16W
R2541	401 105 0306	MT-GLAZE 10 JA 1/16W
R2542	401 105 0306	MT-GLAZE 10 JA 1/16W
R2543	401 105 0306	MT-GLAZE 10 JA 1/16W
R2544	401 105 0306	MT-GLAZE 10 JA 1/16W
R2545	401 105 0306	MT-GLAZE 10 JA 1/16W
R2546	401 105 0306	MT-GLAZE 10 JA 1/16W
R2547	401 105 0306	MT-GLAZE 10 JA 1/16W
R2548	401 105 0306	MT-GLAZE 10 JA 1/16W
R2549	401 105 0306	MT-GLAZE 10 JA 1/16W
R2550	401 148 6006	MT-GLAZE 2.2 JA 1/16W
R2551	401 148 6006	MT-GLAZE 2.2 JA 1/16W
R2641	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R2642	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R2643	401 105 2409	MT-GLAZE 2K JA 1/16W
R2647	401 102 7506	MT-GLAZE 22 JA 1W
R2648	401 102 7506	MT-GLAZE 22 JA 1W
R2649	401 102 7506	MT-GLAZE 22 JA 1W
R2651	401 105 0504	MT-GLAZE 1K JA 1/16W

Electrical Parts List

Ref. No.	Part No.	Description
R2653	401 113 6208	MT-GLAZE 3.6K JA 1/16W
R2654	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2655	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R2659	401 105 2409	MT-GLAZE 2K JA 1/16W
R2661	401 185 9701	MT-GLAZE 470 JA 1W
R2662	401 185 9701	MT-GLAZE 470 JA 1W
R2663	401 185 9701	MT-GLAZE 470 JA 1W
R2664	401 198 7503	MT-GLAZE 15 JA 1W
R2665	401 198 7503	MT-GLAZE 15 JA 1W
R2666	401 198 7503	MT-GLAZE 15 JA 1W
R2667	401 105 0504	MT-GLAZE 1K JA 1/16W
R2669	401 105 0504	MT-GLAZE 1K JA 1/16W
R2671	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2672	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R2676	401 105 2409	MT-GLAZE 2K JA 1/16W
R2677	401 162 6303	MT-GLAZE 330 JA 1W
R2678	401 162 6303	MT-GLAZE 330 JA 1W
R2679	401 162 6303	MT-GLAZE 330 JA 1W
R2681	401 102 7506	MT-GLAZE 22 JA 1W
R2682	401 102 7506	MT-GLAZE 22 JA 1W
R2683	401 102 7506	MT-GLAZE 22 JA 1W
R2684	401 105 0504	MT-GLAZE 1K JA 1/16W
R2686	401 105 0504	MT-GLAZE 1K JA 1/16W
R2687	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2688	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R2693	401 105 2409	MT-GLAZE 2K JA 1/16W
R2694	401 162 6303	MT-GLAZE 330 JA 1W
R2695	401 162 6303	MT-GLAZE 330 JA 1W
R2696	401 162 6303	MT-GLAZE 330 JA 1W
R2697	401 102 7506	MT-GLAZE 22 JA 1W
R2698	401 102 7506	MT-GLAZE 22 JA 1W
R2699	401 102 7506	MT-GLAZE 22 JA 1W
R2701	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R2702	401 230 4705	MT-GLAZE 680 JA 1W
R2703	401 113 6109	MT-GLAZE 2.4K JA 1/16W
R2704	401 105 0504	MT-GLAZE 1K JA 1/16W
R6614	401 105 0603	MT-GLAZE 10K JA 1/16W
R6616	401 105 0603	MT-GLAZE 10K JA 1/16W
R6618	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R6619	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6631	401 105 0504	MT-GLAZE 1K JA 1/16W
R6633	401 105 0504	MT-GLAZE 1K JA 1/16W
R6634	401 113 6208	MT-GLAZE 3.6K JA 1/16W
R6635	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R6641	401 105 3703	MT-GLAZE 3K JA 1/16W
R6642	401 105 4601	MT-GLAZE 3.9K JA 1/16W
R6643	401 105 2409	MT-GLAZE 2K JA 1/16W
R6644	401 288 0506	MT-GLAZE 750 JA 1W
R6645	401 288 0506	MT-GLAZE 750 JA 1W
R6646	401 288 0506	MT-GLAZE 750 JA 1W
R6647	401 198 7909	MT-GLAZE 47 JA 1W
R6648	401 198 7909	MT-GLAZE 47 JA 1W
R6649	401 198 7909	MT-GLAZE 47 JA 1W
R6651	401 105 0504	MT-GLAZE 1K JA 1/16W
R6653	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6661	401 105 0504	MT-GLAZE 1K JA 1/16W
R6663	401 105 0504	MT-GLAZE 1K JA 1/16W
R6664	401 113 6208	MT-GLAZE 3.6K JA 1/16W
R6665	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6671	401 105 0504	MT-GLAZE 1K JA 1/16W
R6673	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6681	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R6682	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6683	401 105 2409	MT-GLAZE 2K JA 1/16W
R6684	401 162 6303	MT-GLAZE 330 JA 1W
R6685	401 162 6303	MT-GLAZE 330 JA 1W
R6686	401 162 6303	MT-GLAZE 330 JA 1W
R6687	401 198 7909	MT-GLAZE 47 JA 1W
R6688	401 198 7909	MT-GLAZE 47 JA 1W
R6689	401 198 7909	MT-GLAZE 47 JA 1W
R6691	401 105 0504	MT-GLAZE 1K JA 1/16W
R6693	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6697	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
COIL		
L2501	401 036 8907	MT-GLAZE 5.6 JA 1/8W
L2502	401 036 8907	MT-GLAZE 5.6 JA 1/8W
DIODE		
D2502	407 149 0807	DIODE 1SS355-TE-17
D2503	407 149 0807	DIODE 1SS355-TE-17
D2641	407 149 0807	DIODE 1SS355-TE-17
D2651	407 149 0807	DIODE 1SS355-TE-17
D2661	407 149 0807	DIODE 1SS355-TE-17
D2671	407 149 0807	DIODE 1SS355-TE-17
D2681	407 149 0807	DIODE 1SS355-TE-17
D2691	407 149 0807	DIODE 1SS355-TE-17
D6611	407 004 0706	DIODE DCB015-TB

610 287 9308 ASSY,PWB,AV MP6A
1AA0B10C3020A

Ref. No.	Part No.	Description
TRANSISTOR		
Q1001	405 132 3101	TR DTC114EKA-T146
Q1002	405 132 3101	TR DTC114EKA-T146
INTEGRATED CIRCUIT		
IC1001	409 461 7304	IC AD8057ART
IC1021	409 417 1400	IC CXA2016S
CAPACITOR		
C1006	403 157 3601	CERAMIC 100P J 50V
C1007	403 348 5803	CERAMIC 0.47U K 10V
C1009	403 157 1904	CERAMIC 10P D 50V
C1011	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
C1014	403 162 4006	ELECT 22U M 6.3V
C1016	403 298 9609	CERAMIC 0.1U K 16V
C1017	403 162 4006	ELECT 22U M 6.3V
C1018	403 298 9609	CERAMIC 0.1U K 16V
C1028	403 205 7803	TA-SOLID 2.2U M 16V
C1029	403 325 6304	CERAMIC 0.22U K 10V
C1031	403 325 6304	CERAMIC 0.22U K 10V
C1032	403 091 0209	TA-SOLID 1U M 16V
C1033	403 298 9609	CERAMIC 0.1U K 16V
C1034	403 325 6304	CERAMIC 0.22U K 10V
C1036	403 091 0209	TA-SOLID 1U M 16V
C1038	403 298 9609	CERAMIC 0.1U K 16V
C1039	403 162 4006	ELECT 22U M 6.3V
C1043	403 155 2200	CERAMIC 3300P K 50V
C1044	403 298 9609	CERAMIC 0.1U K 16V
C1046	403 298 9609	CERAMIC 0.1U K 16V
C2001	403 298 9609	CERAMIC 0.1U K 16V
C2005	403 366 6202	CERAMIC 22U Z 10V
C2008	403 366 6202	CERAMIC 22U Z 10V
C2009TM	403 194 4609	ELECT 470U M 16V
C2011	403 157 3601	CERAMIC 100P J 50V
C2012	403 157 3601	CERAMIC 100P J 50V
C2014	403 366 6202	CERAMIC 22U Z 10V
C2016	403 366 6202	CERAMIC 22U Z 10V
C2021	403 157 3601	CERAMIC 100P J 50V
C2022	403 157 3601	CERAMIC 100P J 50V
C2091	403 157 3601	CERAMIC 100P J 50V
C2092	403 157 3601	CERAMIC 100P J 50V

Electrical Parts List

Ref. No.	Part No.	Description
RESISTOR		
R1011	401 105 0405	MT-GLAZE 100 JA 1/16W
R1021	401 105 0405	MT-GLAZE 100 JA 1/16W
R1024	401 105 0504	MT-GLAZE 1K JA 1/16W
R1026	401 203 9805	MT-GLAZE 2.7K FA 1/16W
R1027	401 247 0202	MT-GLAZE 3.9K FA 1/16W
R1028	401 105 0405	MT-GLAZE 100 JA 1/16W
R1031	401 105 0603	MT-GLAZE 10K JA 1/16W
R1032	401 105 6506	MT-GLAZE 680 JA 1/16W
R1035	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1036	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1037	401 105 0405	MT-GLAZE 100 JA 1/16W
R1043	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1049	401 105 4205	MT-GLAZE 33K JA 1/16W
R1051	401 105 2706	MT-GLAZE 220 JA 1/16W
R1053	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1054	401 211 9903	MT-GLAZE 12K FA 1/16W
R1056	401 211 9903	MT-GLAZE 12K FA 1/16W
R1067	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1068	401 105 2706	MT-GLAZE 220 JA 1/16W
R1071	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R1075	401 105 0504	MT-GLAZE 1K JA 1/16W
R2001	401 105 4205	MT-GLAZE 33K JA 1/16W
R2002	401 105 0405	MT-GLAZE 100 JA 1/16W
R2003	401 113 4402	MT-GLAZE 75 JA 1/16W
R2004	401 113 4402	MT-GLAZE 75 JA 1/16W
R2007	401 113 4402	MT-GLAZE 75 JA 1/16W
R2008	401 113 4402	MT-GLAZE 75 JA 1/16W
R2011	401 113 4402	MT-GLAZE 75 JA 1/16W
R2012	401 113 4402	MT-GLAZE 75 JA 1/16W
R2013	401 113 4402	MT-GLAZE 75 JA 1/16W
R2014	401 113 4402	MT-GLAZE 75 JA 1/16W
R2016	401 113 4402	MT-GLAZE 75 JA 1/16W
R2017	401 113 4402	MT-GLAZE 75 JA 1/16W
R2018	401 105 5509	MT-GLAZE 470K JA 1/16W
R2019	401 105 0405	MT-GLAZE 100 JA 1/16W
R2021	401 105 5509	MT-GLAZE 470K JA 1/16W
R2022	401 105 0405	MT-GLAZE 100 JA 1/16W
R2023	401 105 5509	MT-GLAZE 470K JA 1/16W
R2024	401 105 0405	MT-GLAZE 100 JA 1/16W
R2026	401 105 5509	MT-GLAZE 470K JA 1/16W
R2027	401 105 0405	MT-GLAZE 100 JA 1/16W
R2061	401 113 4402	MT-GLAZE 75 JA 1/16W
R2062	401 113 4402	MT-GLAZE 75 JA 1/16W
R2063	401 113 4402	MT-GLAZE 75 JA 1/16W
R2064	401 113 4402	MT-GLAZE 75 JA 1/16W
R2066	401 113 4402	MT-GLAZE 75 JA 1/16W
R2067	401 113 4402	MT-GLAZE 75 JA 1/16W
R2086	401 113 4402	MT-GLAZE 75 JA 1/16W
R2087	401 113 4402	MT-GLAZE 75 JA 1/16W
R2088	401 113 4402	MT-GLAZE 75 JA 1/16W
R2089	401 113 4402	MT-GLAZE 75 JA 1/16W
R2093	401 105 0702	MT-GLAZE 100K JA 1/16W
R2094	401 105 0405	MT-GLAZE 100 JA 1/16W
R2096	401 105 0702	MT-GLAZE 100K JA 1/16W
R2097	401 105 0405	MT-GLAZE 100 JA 1/16W
COIL		
L1001	645 024 0669	FILTER,EMI 20PF
L1002	645 024 0669	FILTER,EMI 20PF
L1003	645 024 0669	FILTER,EMI 20PF
L1006	645 025 0637	FILTER,EMI 190PF
L1007	645 025 0637	FILTER,EMI 190PF
L1017	645 014 2659	FILTER,EMI 10MHZ
L1018	645 014 2659	FILTER,EMI 10MHZ
L1019	645 014 2659	FILTER,EMI 10MHZ
L1021	645 014 2659	FILTER,EMI 10MHZ
L1022	645 014 2659	FILTER,EMI 10MHZ
L1023	645 014 2659	FILTER,EMI 10MHZ
L1024	645 014 2659	FILTER,EMI 10MHZ
L2003	645 014 2659	FILTER,EMI 10MHZ
L2004	645 002 3934	FILTER,EMI 50MHZ
L2006	645 002 3934	FILTER,EMI 50MHZ
L2007	645 002 3934	FILTER,EMI 50MHZ
L2008	645 002 3934	FILTER,EMI 50MHZ
L2009	645 002 3934	FILTER,EMI 50MHZ
L2016	645 014 2659	FILTER,EMI 10MHZ
L2017	645 014 2659	FILTER,EMI 10MHZ
L2021	645 014 2659	FILTER,EMI 10MHZ
L2022	645 014 2659	FILTER,EMI 10MHZ
L2091	645 014 2659	FILTER,EMI 10MHZ
L2092	645 014 2659	FILTER,EMI 10MHZ
DIODE		
D1001	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D1002	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D1003	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D1006	407 187 8209	ZENER DIODE UDZ12B-TE-17
D1007	407 187 8209	ZENER DIODE UDZ12B-TE-17
D1008	407 149 0807	DIODE 1SS355-TE-17
D1009	407 149 0807	DIODE 1SS355-TE-17
D1010	407 149 0807	DIODE 1SS355-TE-17
D1012	407 149 0807	DIODE 1SS355-TE-17
D1013	407 149 0807	DIODE 1SS355-TE-17
D1014	407 149 0807	DIODE 1SS355-TE-17
D1021	407 187 8605	ZENER DIODE UDZ20B-TE-17
D1022	407 187 8605	ZENER DIODE UDZ20B-TE-17
D1023	407 187 8605	ZENER DIODE UDZ20B-TE-17
D1024	407 187 8605	ZENER DIODE UDZ20B-TE-17
D1026	407 187 8605	ZENER DIODE UDZ20B-TE-17
D1027	407 187 8605	ZENER DIODE UDZ20B-TE-17
D1028	407 187 8605	ZENER DIODE UDZ20B-TE-17
D1029	407 187 8605	ZENER DIODE UDZ20B-TE-17
D1031	407 187 8605	ZENER DIODE UDZ20B-TE-17
D2001	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2002	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D2003	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D2004	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D2006	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D2007	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D2008	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D2009	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D2011	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D2012	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D2013	407 179 0501	ZENER DIODE UDZ6.2B-TE-17
D2016	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2017	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2018	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2019	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2021	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2022	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2023	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2024	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2091	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2092	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2093	407 187 8209	ZENER DIODE UDZ12B-TE-17
D2094	407 187 8209	ZENER DIODE UDZ12B-TE-17
MISCELLANEOUS		
K1001	645 009 8093	SOCKET,D-SUB 15P
K1002	645 000 2595	SOCKET,DIN 8P
K2001	610 010 8295	SOCKET,DIN 4P
K2002	645 042 2799	JACK,RCA-3
K2003	645 000 2571	JACK,PHONE D8.0

Ref. No.	Part No.	Description
K2004	645 000 2571	JACK,PHONE D8.0
K2005	645 000 2571	JACK,PHONE D8.0
SW1001	645 042 8104	SWITCH,PUSH 1P-1TX1

610 287 9322 ASSY,PWB,R/C MP6A 1AA0B10C3020C

CAPACITOR

Ref. No.	Part No.	Description
C2801	403 283 6309	CERAMIC 1U Z 10V
C2802	403 157 6602	CERAMIC 470P K 50V
C2803	403 304 2402	ELECT 100U M 10V

RESISTOR

Ref. No.	Part No.	Description
RC2801	645 034 5029	UNIT,REMOCON RECEIVER
R2801	401 105 2706	MT-GLAZE 220 JA 1/16W
R2802	401 105 0405	MT-GLAZE 100 JA 1/16W
R2803	401 105 2706	MT-GLAZE 220 JA 1/16W

610 291 0728 ASSY,PWB,POWER MP6A SERVI

ASSY,PWB,HIC MK6A

TRANSISTOR

Ref. No.	Part No.	Description
Q01	405 014 4509	TR 2SC2412K T146 R
Q02	405 134 5905	TR 2SA1037AK-T146-R

INTEGRATED CIRCUIT

Ref. No.	Part No.	Description
IC01	409 483 3803	IC FA5332M

CAPACITOR

Ref. No.	Part No.	Description
C01	403 074 9502	CERAMIC 680P K 50V
C02	403 075 2304	CERAMIC 0.068U Z 50V
C03	403 070 2606	CERAMIC 0.1U Z 50V
C04	403 030 7009	CERAMIC 68P J 50V
C05	403 069 5601	CERAMIC 0.01U K 50V
C06	403 073 7301	CERAMIC 470P K 50V
C07	403 070 2606	CERAMIC 0.1U Z 50V
C08	403 074 3104	CERAMIC 0.047U Z 50V
C10	403 070 2606	CERAMIC 0.1U Z 50V
C11	403 070 2606	CERAMIC 0.1U Z 50V

RESISTOR

Ref. No.	Part No.	Description
R01	401 038 0800	MT-GLAZE 22K JA 1/10W
R02	401 037 5608	MT-GLAZE 10K JA 1/10W
R03	401 037 9507	MT-GLAZE 1.8M JA 1/10W
R04	401 038 0503	MT-GLAZE 22 JA 1/10W
R05	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R06	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R07	401 038 3504	MT-GLAZE 330 JA 1/10W
R08	401 037 5202	MT-GLAZE 100 JA 1/10W
R09	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R11	401 038 6604	MT-GLAZE 470K JA 1/10W
R12	401 038 6505	MT-GLAZE 47K JA 1/10W
R13	401 148 2701	MT-GLAZE 1.1K FA 1/10W
R14	401 092 3304	MT-GLAZE 1.2K FA 1/10W

VARIABLE RESISTOR

Ref. No.	Part No.	Description
VR01	645 041 5333	VR,SEMI,1K M

DIODE

Ref. No.	Part No.	Description
D01	407 004 1000	DIODE DCC010-TB
D02	407 004 1000	DIODE DCC010-TB

ASSY,PWB,POWER MP6A

TRANSISTOR

Ref. No.	Part No.	Description
Q611	405 140 3704	TR 2SK2698
Q641	405 134 5905	TR 2SA1037AK-T146-R
Q661	405 014 4509	TR 2SC2412K T146 R
Q662	405 014 4509	TR 2SC2412K T146 R
Q663	405 014 4509	TR 2SC2412K T146 R
Q671	405 138 1309	TR 2SB1565-E
	405 138 1408	TR 2SB1565-F
Q672	405 014 4509	TR 2SC2412K T146 R
Q681	405 144 6503	TR 2SK2312

INTEGRATED CIRCUIT

Ref. No.	Part No.	Description
IC631	409 421 4701	IC STR-Z2156
IC656	409 344 6509	IC UPC1093T-E1

CAPACITOR

Ref. No.	Part No.	Description
C611	403 165 6007	CERAMIC 1000P K 1K
C612	403 165 6007	CERAMIC 1000P K 1K
C616	403 275 6003	MT-POLYEST 1.5U J 400V
C617	403 119 8002	ELECT 470U M 25V
C618	404 084 0206	ELECT 120U M 450V
C619	403 323 8706	MT-POLYEST 0.047U K 450V
C620	403 323 8706	MT-POLYEST 0.047U K 450V
C630	403 156 9000	ELECT 2.2U M 50V
C631	403 237 7901	MT-COMPO 0.22U J 50V
C632	403 069 1702	CERAMIC 1000P K 50V
C633	403 165 8803	CERAMIC 330P K 2K
C634	403 070 2606	CERAMIC 0.1U Z 50V
C635	403 232 1003	CERAMIC 100P K 2K
C636	403 084 3507	POLYPRO 6800P J 630V
C637	403 074 9502	CERAMIC 680P K 50V
C638	403 156 8805	ELECT 1U M 50V
C639	403 148 1807	ELECT 220U M 35V
C640	403 070 2606	CERAMIC 0.1U Z 50V
C641	403 269 5906	CERAMIC 0.22U K 16V
C642	403 070 2606	CERAMIC 0.1U Z 50V
C643	403 166 9809	TA-SOLID 0.47U M 25V
C648	404 073 3904	CERAMIC 1000P K 250V
	404 059 9203	CERAMIC 1000P M 400V
C649	404 073 3904	CERAMIC 1000P K 250V
	404 059 9203	CERAMIC 1000P M 400V
C651	403 350 5006	ELECT 1000U M 25V
C652	403 356 0005	ELECT 3900U M 10V
C653	403 155 5607	ELECT 220U M 10V
C654	403 076 2006	CERAMIC 330P K 500V
C655	403 076 2006	CERAMIC 330P K 500V
C656	403 256 0808	MT-COMPO 0.47U J 50V
C671	403 218 8101	ELECT 1000U M 25V
C683	403 208 6001	ELECT 2200U M 6.3V
C685	403 208 6001	ELECT 2200U M 6.3V
C687	403 208 6001	ELECT 2200U M 6.3V

RESISTOR

Ref. No.	Part No.	Description
R612	402 083 4805	RESISTER 0.1JA 2W
R614	401 237 0007	MT-GLAZE 47K JA 1W
R615	401 237 0007	MT-GLAZE 47K JA 1W
R616	401 237 0007	MT-GLAZE 47K JA 1W
R617	401 237 0007	MT-GLAZE 47K JA 1W
R618	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R620	401 242 3901	MT-GLAZE 240K JA 1/2W
R621	401 242 3901	MT-GLAZE 240K JA 1/2W
R622	401 259 9002	MT-GLAZE 150K FA 1/2W
R623	401 259 9002	MT-GLAZE 150K FA 1/2W
R624	401 259 9002	MT-GLAZE 150K FA 1/2W
R625	401 259 9002	MT-GLAZE 150K FA 1/2W
R626	401 263 0101	MT-GLAZE 100K JA 1W

Ref. No.	Part No.	Description
R627	401 263 0101	MT-GLAZE 100K JA 1W
R628	401 263 0101	MT-GLAZE 100K JA 1W
R629	401 263 0101	MT-GLAZE 100K JA 1W
R631	401 263 0101	MT-GLAZE 100K JA 1W
R632	401 263 0101	MT-GLAZE 100K JA 1W
⚠ R633	402 079 7803	FUSIBLE RES 22 JH 1/4W
R634	401 238 4509	MT-GLAZE 47 JA 1/3W
R635	401 038 6307	MT-GLAZE 470 JA 1/10W
R636	401 288 3903	MT-GLAZE 200 JA 1/3W
R637	401 037 5608	MT-GLAZE 10K JA 1/10W
R638	401 037 5202	MT-GLAZE 100 JA 1/10W
R641	401 037 5400	MT-GLAZE 1K JA 1/10W
R642	401 037 5707	MT-GLAZE 100K JA 1/10W
R643	401 037 8005	MT-GLAZE 15K JA 1/10W
R644	401 038 0909	MT-GLAZE 220K JA 1/10W
R645	401 038 9308	MT-GLAZE 68K JA 1/10W
R646	401 038 9209	MT-GLAZE 6.8K JA 1/10W
R654	401 038 2002	MT-GLAZE 270 JA 1/10W
R655	401 037 5400	MT-GLAZE 1K JA 1/10W
R656	401 037 5608	MT-GLAZE 10K JA 1/10W
R657	401 038 9209	MT-GLAZE 6.8K JA 1/10W
R658	401 037 5103	MT-GLAZE 10 JA 1/10W
R659	401 037 5400	MT-GLAZE 1K JA 1/10W
R660	401 039 0304	MT-GLAZE 820 JA 1/10W
R661	401 037 5608	MT-GLAZE 10K JA 1/10W
R662	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R663	401 038 9209	MT-GLAZE 6.8K JA 1/10W
R664	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R665	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R666	401 037 9309	MT-GLAZE 18K JA 1/10W
R667	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R671	401 238 4400	MT-GLAZE 2.7K JA 1/3W
R672	401 238 4202	MT-GLAZE 1.5K JA 1/3W
R673	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R674	401 037 5608	MT-GLAZE 10K JA 1/10W
R681	401 038 0800	MT-GLAZE 22K JA 1/10W
R682	401 037 5707	MT-GLAZE 100K JA 1/10W

TRANSFORMER

Ref. No.	Part No.	Description
⚠ T651	645 042 1921	TRANS,POWER,PULSE

COIL

Ref. No.	Part No.	Description
L611	645 039 9749	INDUCTOR,1800U
L615	610 031 9998	PIPE CORE
L671	645 007 8125	INDUCTOR,47U K
L683	645 007 7975	INDUCTOR,100U K
L685	645 007 7975	INDUCTOR,100U K
L687	645 007 7975	INDUCTOR,100U K

DIODE

Ref. No.	Part No.	Description
DB611	407 202 7705	DIODE D10XB60
D611	407 174 2302	DIODE AK06
D612	407 191 3900	DIODE FML-G16S
D631	407 187 8209	ZENER DIODE UDZ12B-TE-17
D632	407 190 4106	DIODE SFPL-52V
D633	407 124 6800	DIODE AG01A
D634	407 125 5307	ZENER DIODE RD27M-T1BB
	407 140 0608	ZENER DIODE 02CZ27-TE85L
D635	407 190 4106	DIODE SFPL-52V
D641	407 149 0807	DIODE 1SS355-TE-17
D642	407 206 6308	ZD UDZS-TE-175.1B
	407 179 1706	ZENER DIODE UDZ5.1B-TE-17
D651	407 202 9808	DIODE FMB-26L
D651B	411 174 4808	SCR S-TPG PAN+SWW 3X8
D651H	610 273 6472	HEAT SINK C-M6RA
D652	407 164 2206	DIODE FMB-24L
D652B	411 174 4808	SCR S-TPG PAN+SWW 3X8
D653	407 190 4106	DIODE SFPL-52V
D656	407 209 4509	ZD UDZS-TE-176.8B
	407 187 7806	ZENER DIODE UDZ6.8B-TE-17
D660	407 179 4905	ZENER DIODE UDZ-TE-174.7B
D661	407 149 0807	DIODE 1SS355-TE-17
D665	407 149 0807	DIODE 1SS355-TE-17

MISCELLANEOUS

Ref. No.	Part No.	Description
⚠ TSW611	645 026 4511	SWITCH,THERMAL
	645 043 3009	THERMOSTATS
FB611	610 229 3531	CORE
FB612	610 229 3531	CORE
⚠ PC641	408 039 3502	PC TLP721F(D4-GB)
⚠ PC642	408 039 3502	PC TLP721F(D4-GB)
⚠ PC643	408 039 3502	PC TLP721F(D4-GB)
⚠ PC644	408 039 3502	PC TLP721F(D4-GB)
PTH611	408 037 5607	THERMISTOR NTH11D8R0LC

610 289 3526 ASSY,PWB,LINE FILTER MP6A 1AA0B10C3110B

CAPACITOR

Ref. No.	Part No.	Description
⚠ C601	404 081 4702	MT-POLYEST 0.22U M 275V
⚠ C602	404 081 4702	MT-POLYEST 0.22U M 275V
⚠ C603	404 081 4702	MT-POLYEST 0.22U M 275V
⚠ C604	404 081 4702	MT-POLYEST 0.22U M 275V
⚠ C606	404 073 3904	CERAMIC 1000P K 250V
	404 059 9203	CERAMIC 1000P M 400V

RESISTOR

Ref. No.	Part No.	Description
⚠ R601	401 008 8607	CARBON 220K JA 1/2W

VARIABLE RESISTOR

Ref. No.	Part No.	Description
⚠ VA601	408 018 9808	VARISTOR ENC471D-14AS

COIL

Ref. No.	Part No.	Description
⚠ L601	645 041 4961	LINE FILTER
⚠ L602	645 041 4961	LINE FILTER

MISCELLANEOUS

Ref. No.	Part No.	Description
⚠ F601	423 022 2102	FUSE 250V 4A
F601A	645 000 5077	HOLDER,FUSE
F601B	645 000 5077	HOLDER,FUSE

610 289 3533 ASSY,PWB,AUDIO AMP. MP6A 1AA0B10C3110A

INTEGRATED CIRCUIT

Ref. No.	Part No.	Description
IC001	409 073 1509	IC AN5265

CAPACITOR

Ref. No.	Part No.	Description
C001	403 148 0305	ELECT 470U M 16V
C002	403 049 0008	ELECT 1U M 50V
C003	403 049 0008	ELECT 1U M 50V
C004	403 041 8804	ELECT 10U M 16V
C005	403 041 8804	ELECT 10U M 16V
C006	403 044 9501	ELECT 100U M 25V
C007	403 070 2606	CERAMIC 0.1U Z 50V
C008	403 044 9501	ELECT 100U M 25V

RESISTOR

Ref. No.	Part No.	Description
R001	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R002	401 037 9309	MT-GLAZE 18K JA 1/10W
R003	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R004	401 038 2200	MT-GLAZE 27K JA 1/10W
R005	401 110 8601	MT-GLAZE 1 JA 1/10W

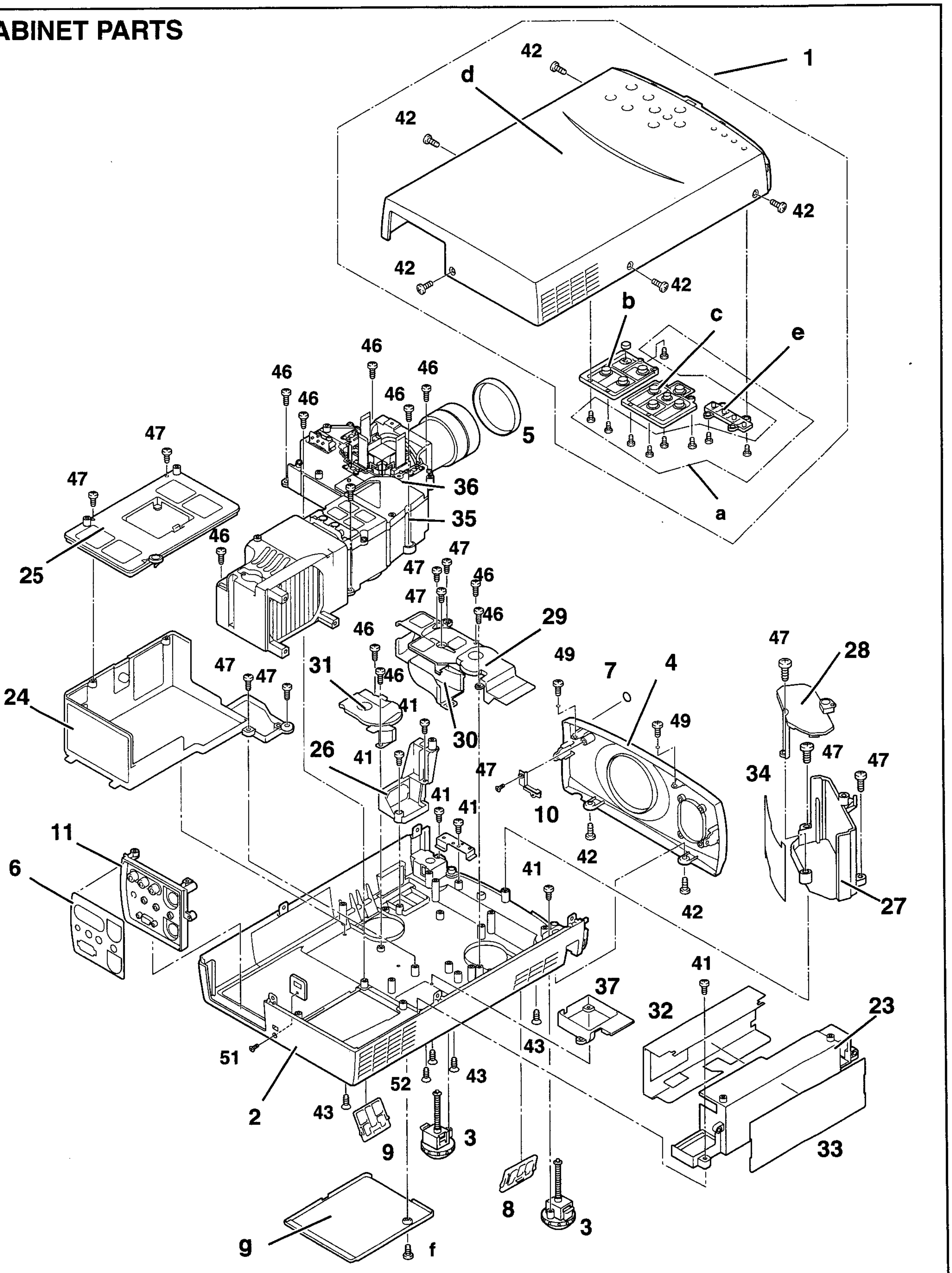
Electrical Parts List

Ref. No.	Part No.	Description
R006	401 037 5400	MT-GLAZE 1K JA 1/10W
R007	401 069 0305	OXIDE-MT 6.8 JA 2W
	401 069 0404	OXIDE-MT 6.8 JA 2W
R008	401 037 9101	MT-GLAZE 180 JA 1/10W
R011	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R012	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
DIODE		
D001	407 206 5509	ZD UDZS-TE-179.1B
	407 187 7905	ZENER DIODE UDZ9.1B-TE-17
D002	407 206 6308	ZD UDZS-TE-175.1B
	407 179 1706	ZENER DIODE UDZ5.1B-TE-17
D003	407 149 0807	DIODE 1SS355-TE-17
ACCESSORIES		
	645 041 5982	ASSY,REMOCON CXGW
	610 283 3867	RC-BATTERY LID-CXFJ
	610 292 1649	CARRY BAG-MP6AA
	645 030 6624	CABLE,INTERFACE VGA
OWNER'S MANUAL		
(English)	610 292 2936	OWNER'S MANUAL-MP6AA
(Germany)	610 292 2943	OWNER'S MANUAL-MP6AA-D
(French)	610 292 2950	OWNER'S MANUAL-MP6AA-F
(Italian)	610 292 2967	OWNER'S MANUAL-MP6AA-I
(Spanish)	610 292 2974	OWNER'S MANUAL-MP6AA-E
⚠ AC CORD		
(US)	645 002 9189	CORD,POWER-3.0MK
(EU/Asia)	645 002 9196	CORD,POWER-3.0MK
(UK)	645 003 1137	CORD,POWER-3.0MK

■ Mechanical Parts List

Note: Parts order must contain Chassis No., Part No., and Descriptions.

● CABINET PARTS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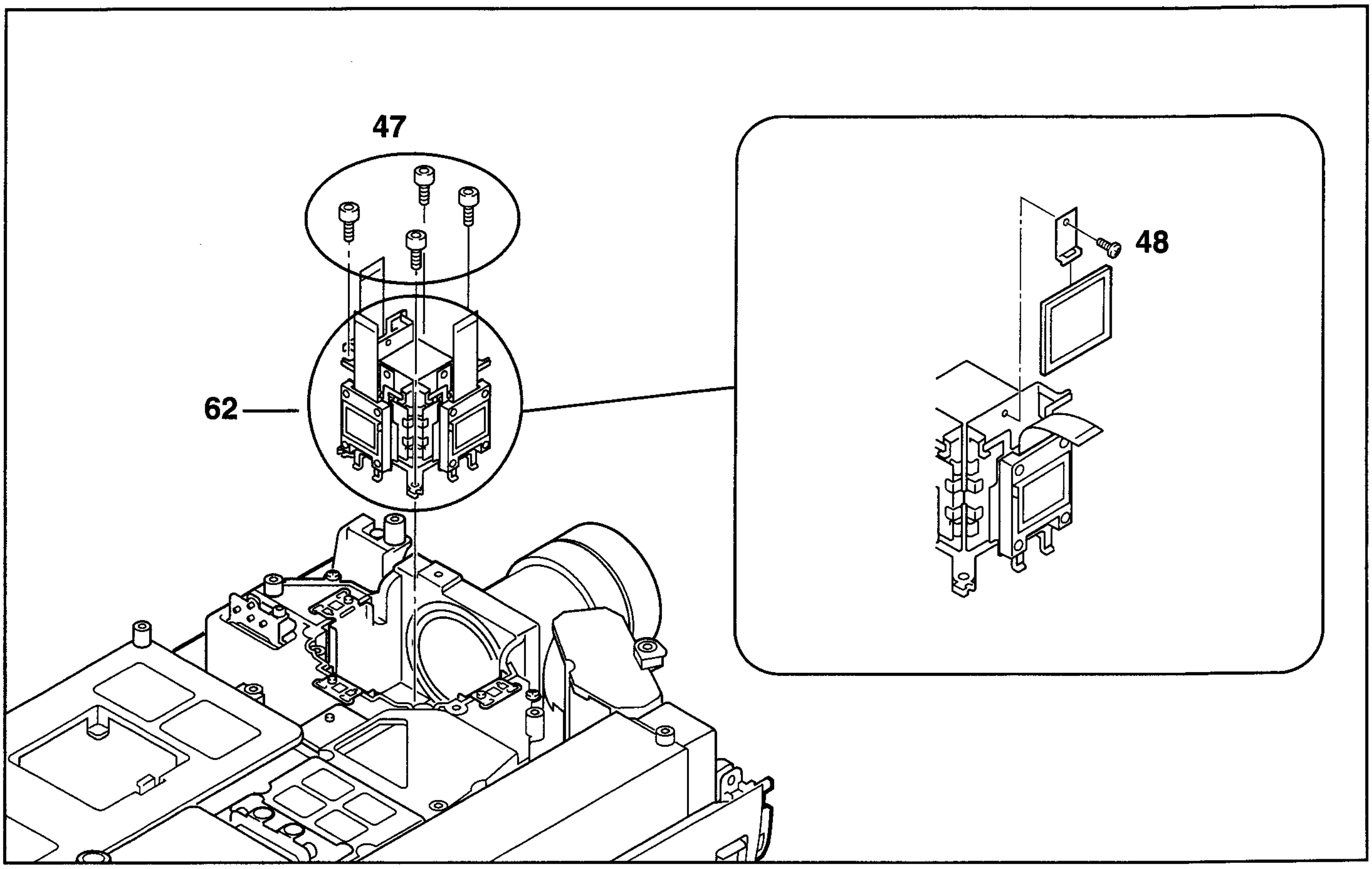
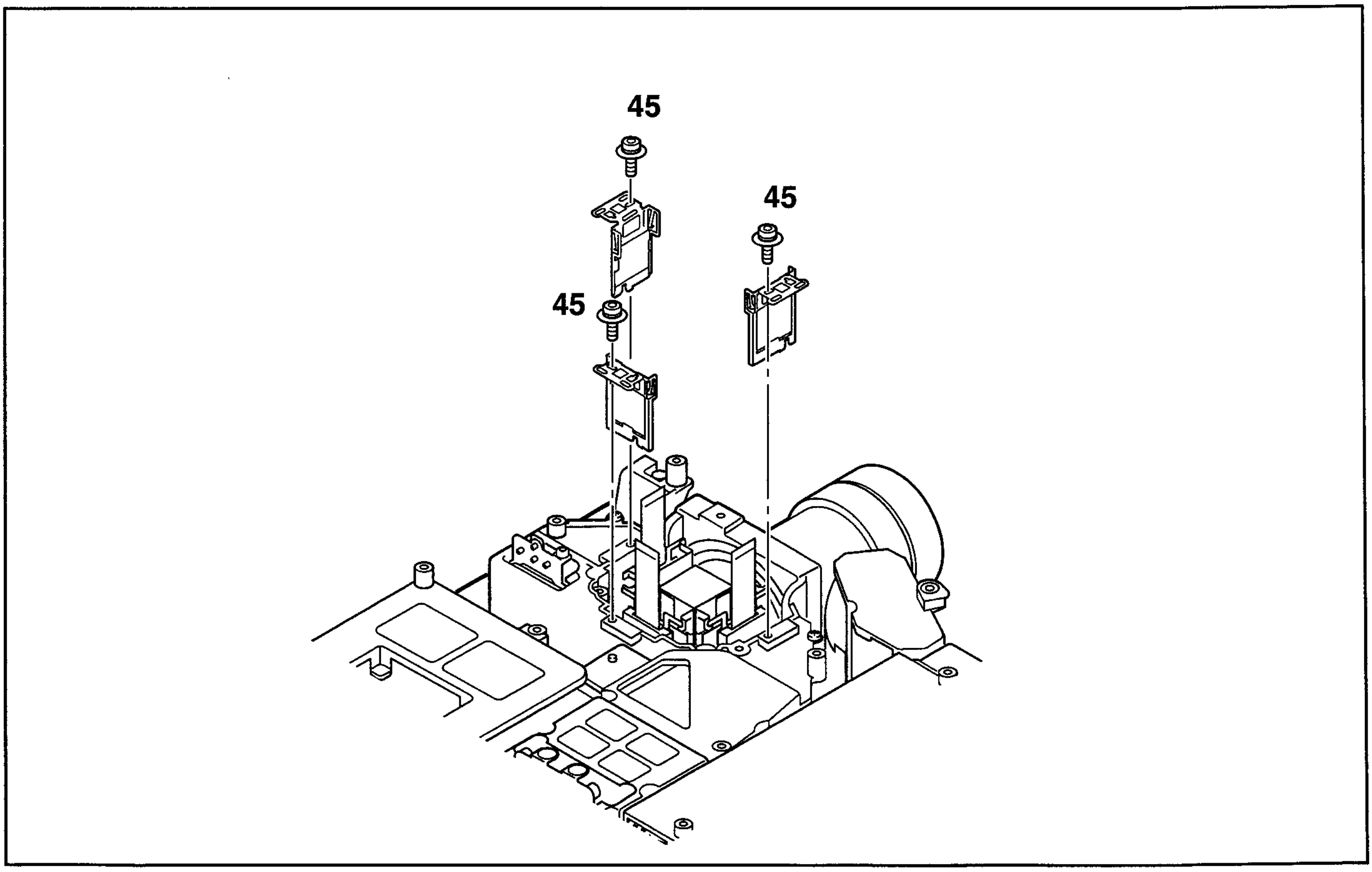
Mechanical Parts List

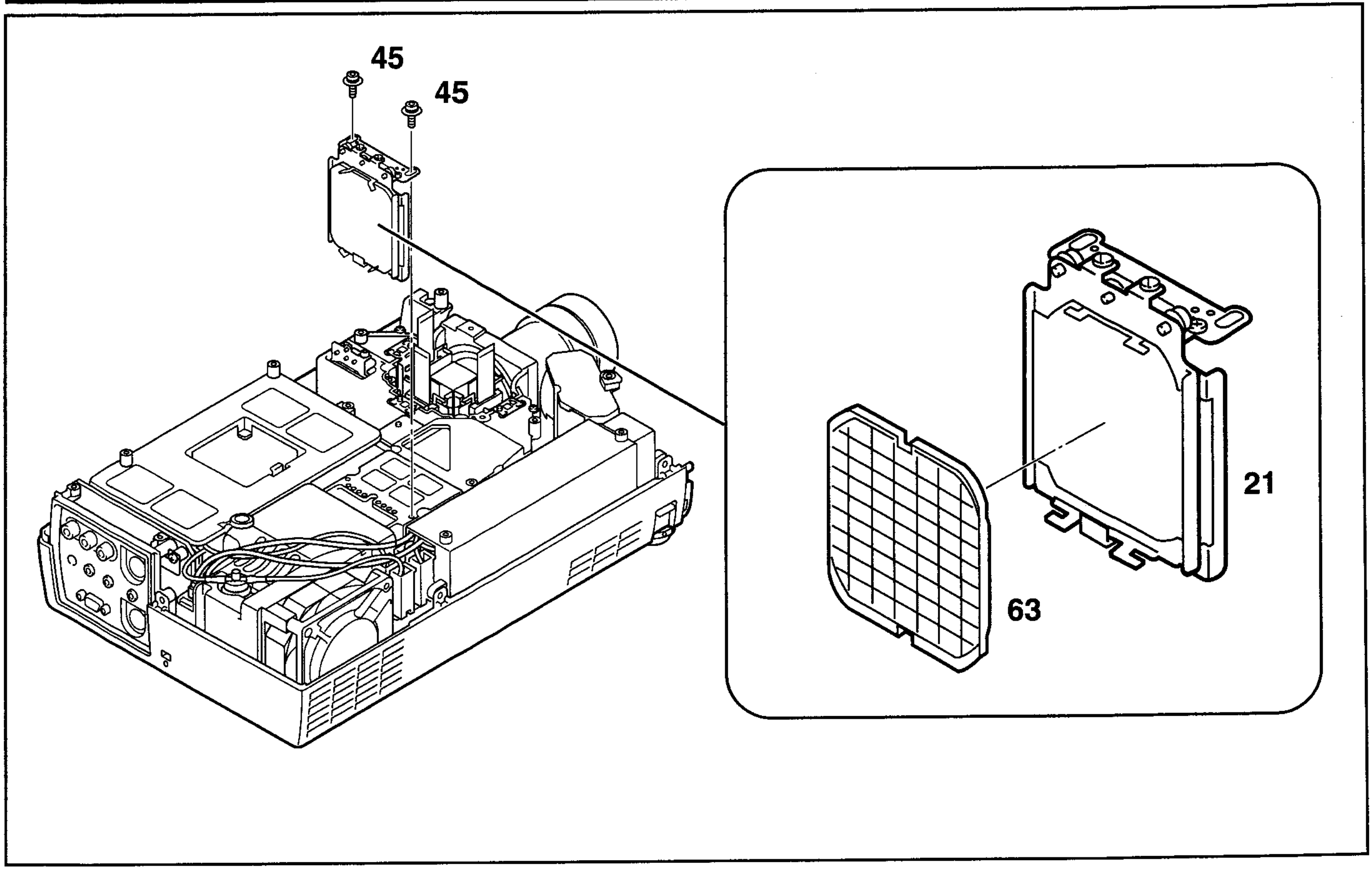
Key No.	Part No.	Description
CABINET PARTS		
1	610 288 6597	COMPL,CABINET TOP-MP6A
		(Including Key No. a to e)
a	411 025 3806	SCR S-TPG BIN 2X4
b	610 285 8730	ASSY,BUTTON P-MK6A
c	610 285 6316	BUTTON-MK6A
d	610 288 7570	CABINET TOP-MP6A
e	610 285 7580	DEC INLAY-MK6A
2	610 291 0537	COMPL,CABINET BTM A-MK6A
		(Including Key No. f and g)
f	411 031 9304	SCR BIN 3X8
g	610 285 6354	COVER,LP-MK6A
3	610 285 8471	ASSY,STAND LEG-MK6A
4	610 285 6330	CABINET FRONT-MK6A
5	610 291 5532	CAP LENS-MP6AA
6	610 285 7610	DEC AV SHEET-MK6A
7	610 286 6391	DEC SHEET-MK6A
8	610 285 7634	FILTER BASE L-MK6A
9	610 285 7641	FILTER BASE R-MK6A
10	610 290 4628	HOLDER SENSOR-MK6A
11	610 285 6378	PANEL AV-MK6A
CHASSIS PARTS		
21	610 285 8457	COMPL,MOUNTING INT-MK6A
22	610 285 8464	COMPL,MOUNTING LENS-MK6A
23	610 291 2500	HOLDER LP PWB-MP6A
24	610 285 6743	HOLDER POWER PWB B-MK6A
25	610 285 6750	HOLDER POWER PWB T-MK6A
26	610 285 6767	HOLDER AC-MK6A
27	610 285 6781	HOLDER L.F PWB B-MK6A
28	610 286 9378	HOLDER L.F PWB T-MK6A
29	610 285 8525	MOUNTING DUCT TOP-MK6A
30	610 290 2082	MOUNTING DUCT BTM-M4GA
31	610 286 8364	MOUNTING DUCT TOP BLUE-MK
32	610 291 1046	SPACER SHEET*LP R-MP6A
33	610 286 9811	SPACER SHEET*LP L-MK6A
34	610 287 7793	SPACER SHEET*L.F-MK6A
35	610 285 1373	OPTICAL BASE BTM-MK6A
36	610 285 1380	OPTICAL BASE TOP-MK6A
37	610 291 0841	MOUNTING DUCT PBS-MP6A
SCREWS-CABINET-		
41	411 025 6500	SCR S-TPG BIN 3X8
42	411 031 9304	SCR BIN 3X8
43	411 077 9009	SCR TPG FLT 3X8
SCREWS-CHASSIS-		
44	412 058 5409	SPECIAL SCREW
45	411 181 4303	BOLT HEX-SCT+SW+W 2.5X5
46	411 025 5206	SCR S-TPG BIN 3X10
47	411 026 7704	SCR S-TPG PAN 3X6
48	411 030 5703	SCR BIN 2X4
49	411 001 8702	SCR BIN 3X6
50	411 001 8900	SCR BIN 3X8
51	411 033 3003	SCR FLT 2X4
52	411 002 2709	SCR FLT 3X6

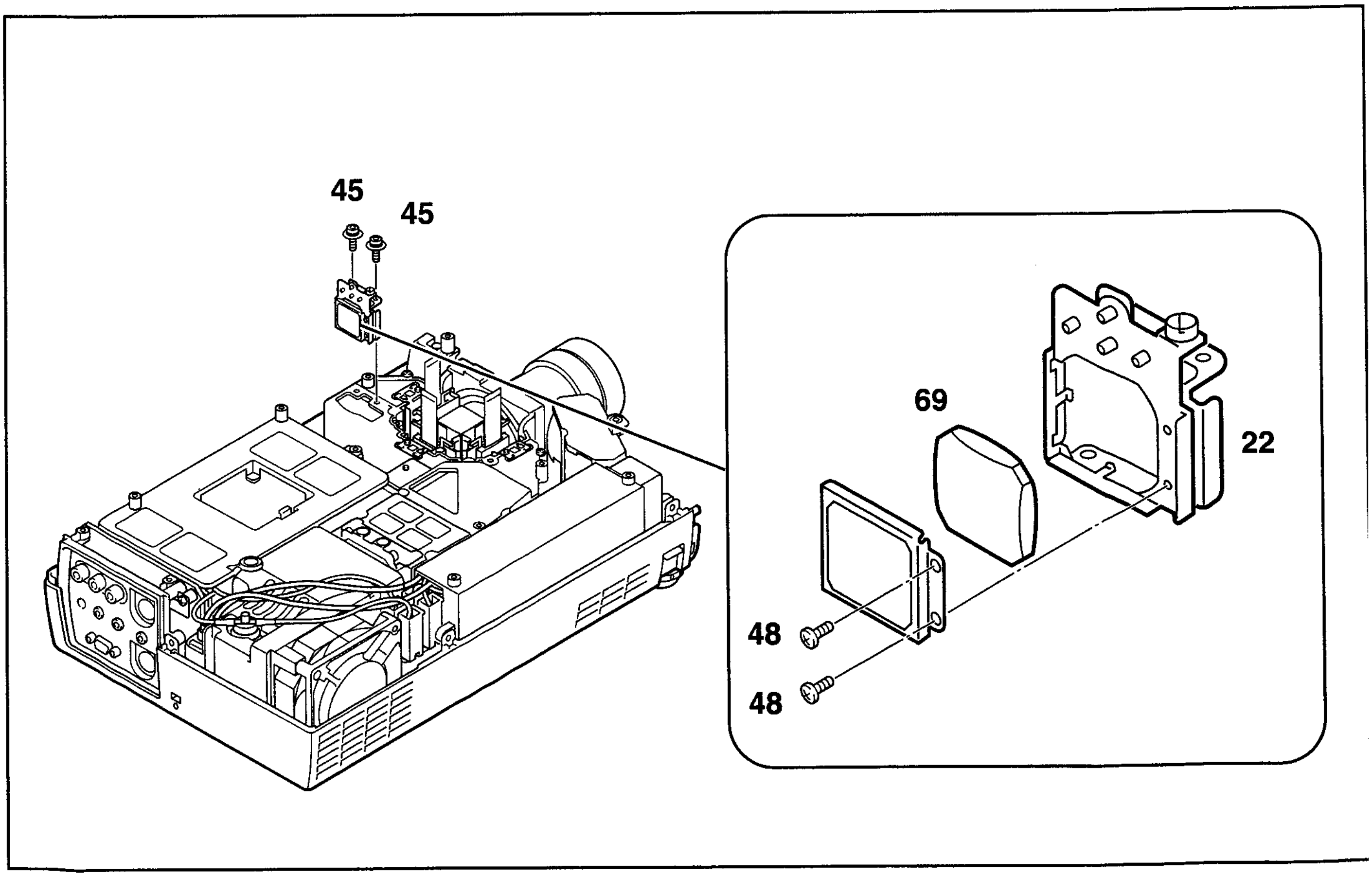
Mechanical Parts List





Mechanical Parts List

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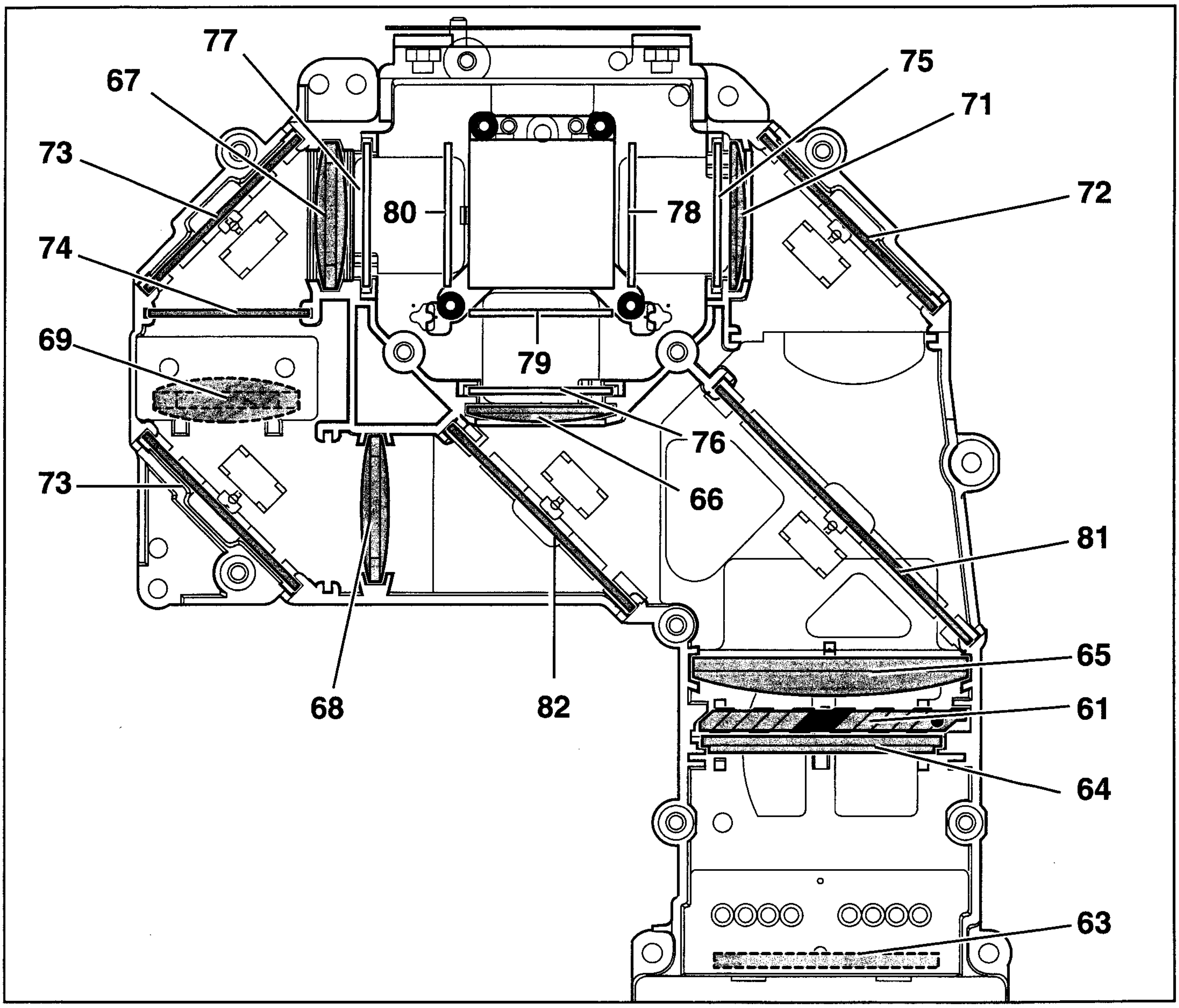
■ Optical Parts List

Note: Parts order must contain Chassis No., Part No., and Descriptions.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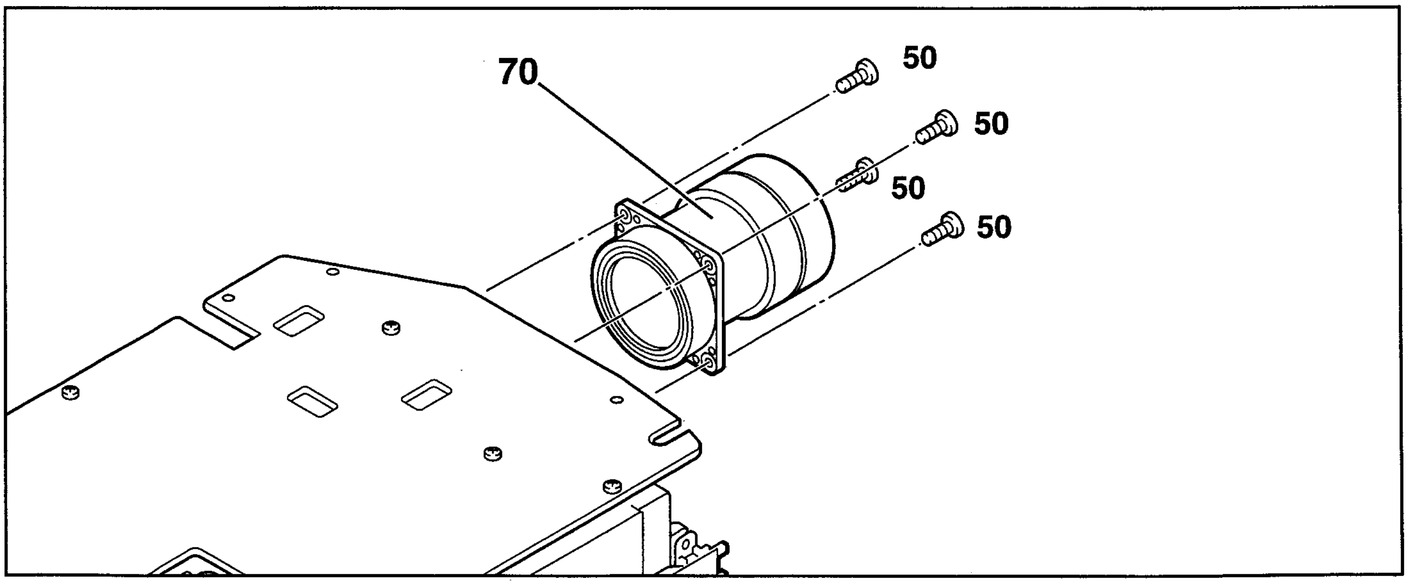
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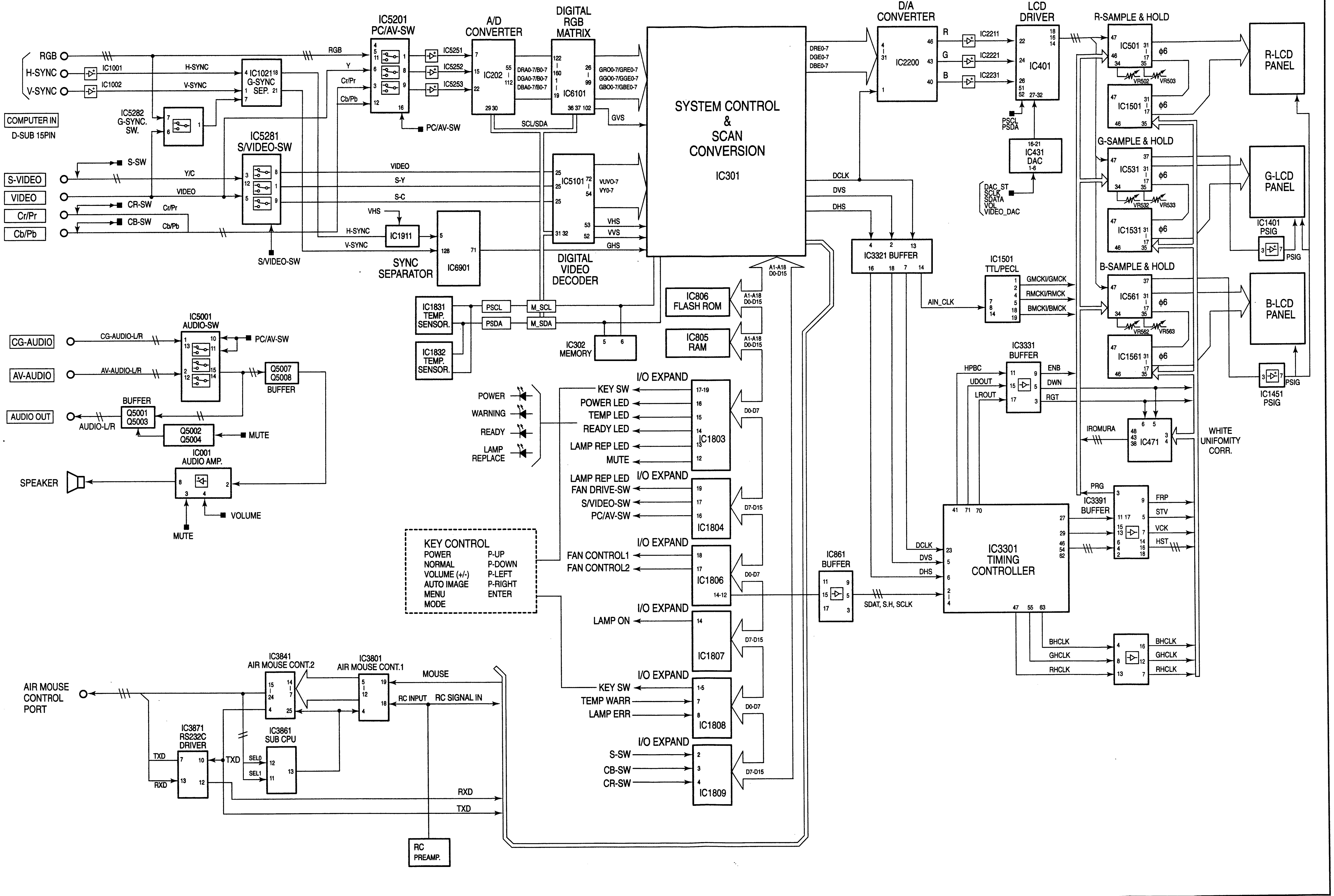
Optical Parts List

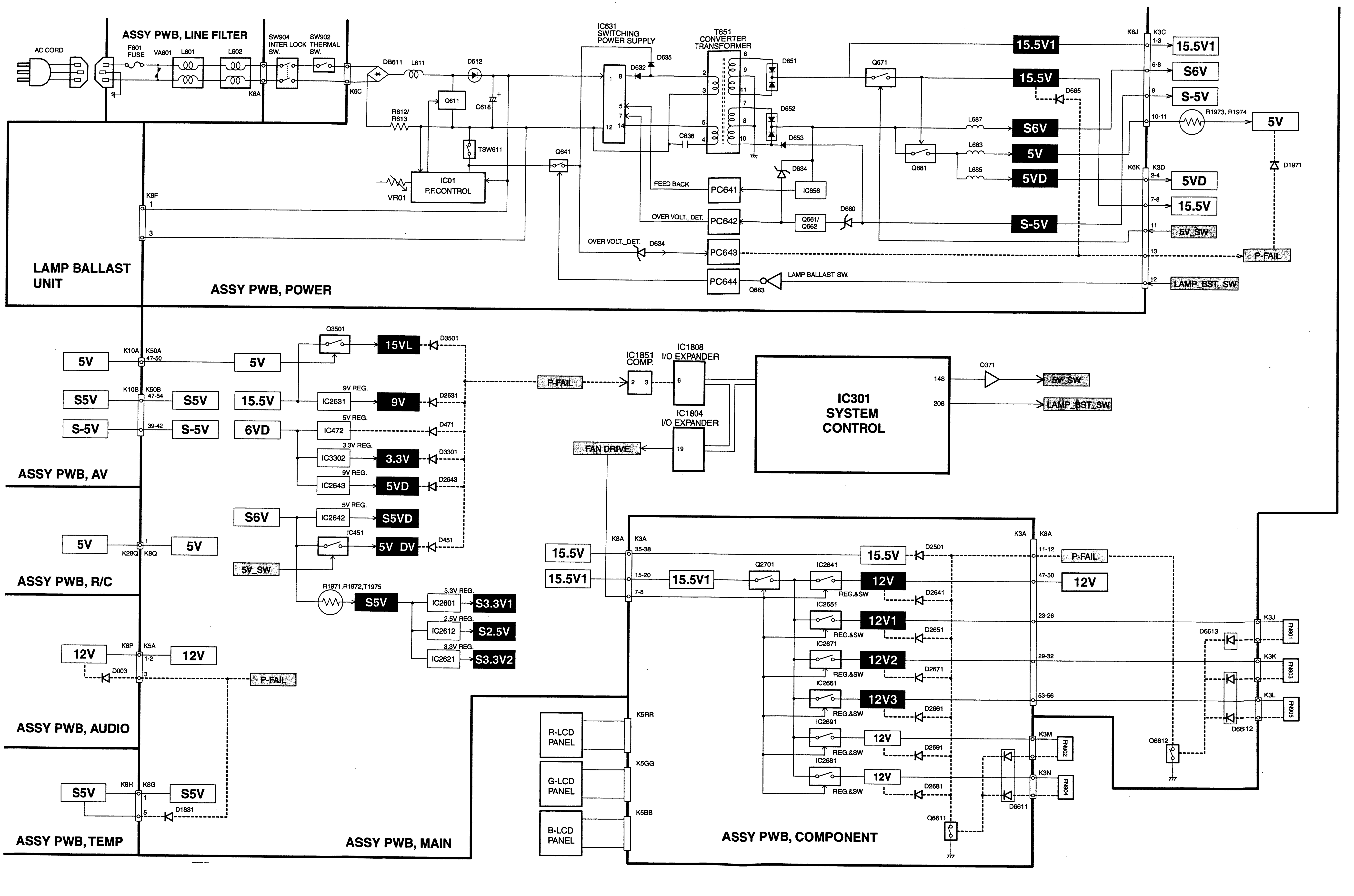
Key No.	Part No.	Description
OPTICAL PARTS		
61	645 041 5104	ASSY,PRISM(PBS)
or	645 044 2452	ASSY,PRISM(PBS)
62	610 291 0810	ASSY,LCD PNL/PRISM-MP6A (Including R,G,B LCD Panels and Key No. 48, 78, 79, 80)
63	645 041 5005	LENS,INTEGRATOR(IN)
64	645 041 5012	LENS,INTEGRATOR(OUT)
65	645 041 5029	LENS,CONDENSER(OUT)
66	645 041 5036	LENS,CONDENSER
67	645 041 5043	LENS,CONDENSER(B)
68	645 041 5050	LENS,RELAY(IN)
69	645 041 5067	LENS,RELAY(OUT)
	645 045 7012	LENS,PROJECTION
71	645 044 0441	LENS,CONDENSER(R)
72	645 041 5494	MIRROR(R)
73	645 041 5500	MIRROR(B)
74	645 041 5081	OPTICAL FILTER(UV CUT)
75	645 041 5524	POLARIZED GLASS(IN/R)SA
or	645 045 2307	POLARIZED GLASS(IN/R)SA
76	645 041 5531	POLARIZED GLASS(IN/G)SA
or	645 045 2314	POLARIZED GLASS(IN/G)SA
77	645 041 5548	POLARIZED GLASS(IN/B)SA
or	645 045 2321	POLARIZED GLASS(IN/B)SA
78	645 041 5555	POLARIZED GLASS(OUT/R)SA
or	645 045 2338	POLARIZED GLASS(OUT/R)SA
79	645 041 5562	POLARIZED GLASS(OUT/G)SA
or	645 045 2345	POLARIZED GLASS(OUT/G)SA
80	645 041 5579	POLARIZED GLASS(OUT/B)SA
or	645 045 2352	POLARIZED GLASS(OUT/B)SA
81	645 041 5586	DICHROIC MIRROR (R)
82	645 041 5593	DICHROIC MIRROR (G)

CAUTION:
Part must be placed in specified direction when replacing the optical parts. Please see "Optical Parts Disassemblies" for further instructions.

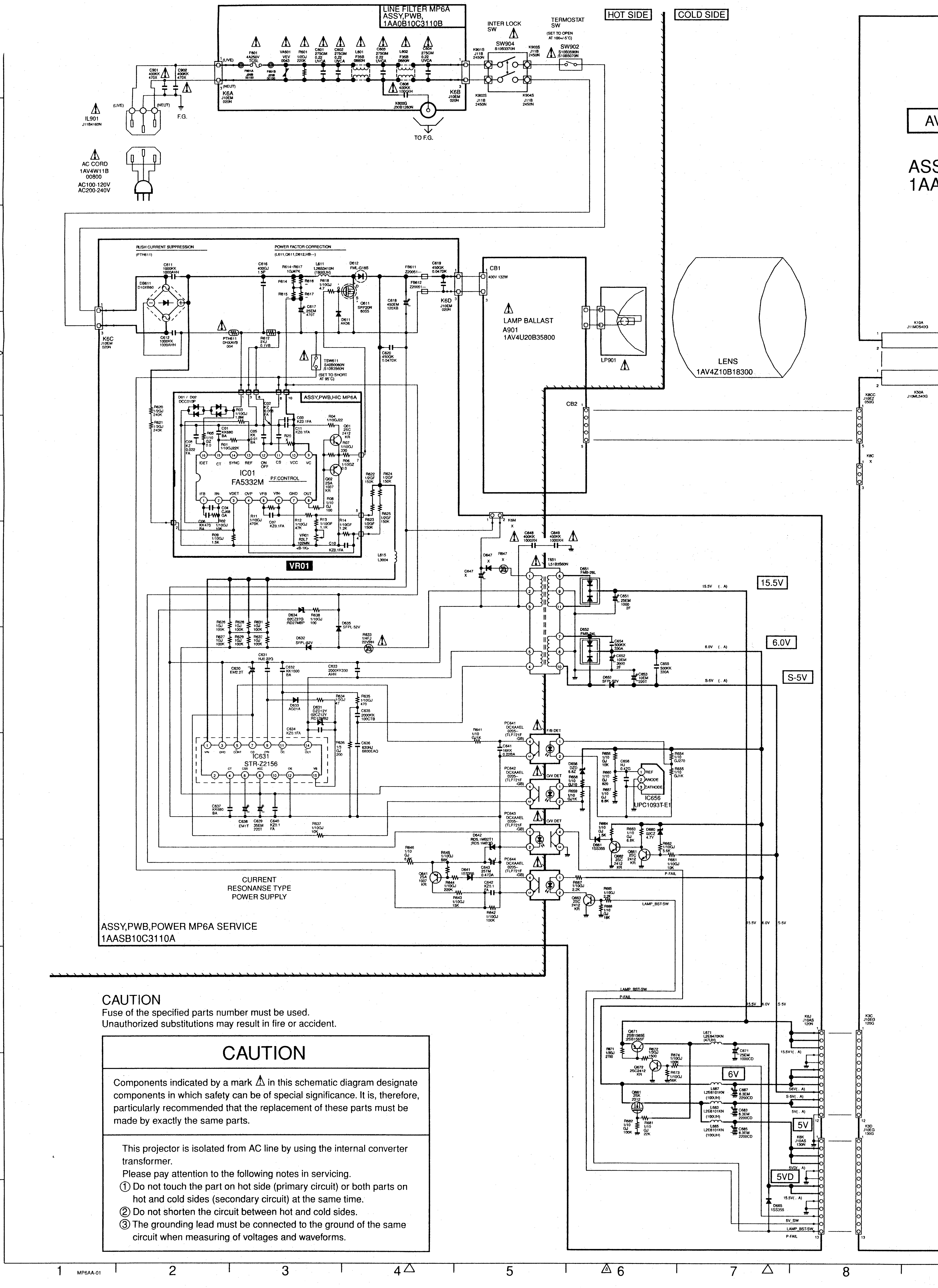
■ Circuit Block Diagram (PLC-XW15)


RGB
H-SYNC
V-SYNC
COMPUTER IN
D-SUB 15PIN
IC1001
IC1002
IC1021 G-SYNC SEP.
IC5282 G-SYNC. SW.
IC5201 PC/AV-SW
PC/AV-SW
IC5251
IC5252
IC5253
A/D CONVERTER
IC202
DRA0-7/B0-7
DGA0-7/B0-7
DBA0-7/B0-7
DIGITAL RGB MATRIX
IC6101
GRO0-7/GRE0-7
GGO0-7/GGE0-7
GBO0-7/GBE0-7
SCL/SDA
GVS
S-SW
S-VIDEO
VIDEO
Cr/Pr
Cb/Pb
Y/C
CR-SW
CB-SW
IC5281 S/VIDEO-SW
S/VIDEO-SW
VIDEO
S-Y
S-C
VHS
IC1911
H-SYNC
V-SYNC
SYNC SEPARATOR
IC6901
IC5101
VUV0-7
VY0-7
VHS
VVS
GHS
DIGITAL VIDEO DECODER
SYSTEM CONTROL & SCAN CONVERSION
IC301
A1-A18 D0-D15
IC806 FLASH ROM
IC805 RAM
IC1831 TEMP. SENSOR.
IC1832 TEMP. SENSOR.
PSCL
PSDA
M_SCL
M_SDA
IC302 MEMORY
IC5001 AUDIO-SW
CG-AUDIO
CG-AUDIO-L/R
AV-AUDIO
AV-AUDIO-L/R
Q5007 Q5008 BUFFER
AUDIO OUT
AUDIO-L/R
BUFFER Q5001 Q5003
Q5002 Q5004
MUTE
IC001 AUDIO AMP.
SPEAKER
VOLUME
MUTE
POWER
WARNING
READY
LAMP REPLACE
I/O EXPAND
KEY SW
POWER LED
TEMP LED
READY LED
LAMP REP LED
MUTE
IC1803
LAMP REP LED
FAN DRIVE-SW
S/VIDEO-SW
PC/AV-SW
IC1804
FAN CONTROL1
FAN CONTROL2
IC1806
LAMP ON
IC1807
KEY SW
TEMP WARR
LAMP ERR
IC1808
S-SW
CB-SW
CR-SW
IC1809
D0-D7
D7-D15
KEY CONTROL
POWER
NORMAL
VOLUME (+/-)
AUTO IMAGE
MENU
MODE
P-UP
P-DOWN
P-LEFT
P-RIGHT
ENTER
AIR MOUSE CONTROL PORT
IC3841 AIR MOUSE CONT.2
IC3801 AIR MOUSE CONT.1
MOUSE
RC INPUT
RC SIGNAL IN
IC3871 RS232C DRIVER
IC3861 SUB CPU
SEL0
SEL1
TXD
RXD
RC PREAMP.
DRE0-7
DGE0-7
DBE0-7
D/A CONVERTER
IC2200
R
G
B
IC2211
IC2221
IC2231
LCD DRIVER
IC401
PSCL
PSDA
IC431 DAC
DAC_ST
SCLK
SDATA
VOL
VIDEO_DAC
DCLK
DVS
DHS
IC3321 BUFFER
IC1501 TTL/PECL
AIN_CLK
GMCKI/GMCK
RMCKI/RMCK
BMCKI/BMCK
R-SAMPLE & HOLD
IC501
IC1501
VR502
VR503
φ6
G-SAMPLE & HOLD
IC531
IC1531
VR532
VR533
B-SAMPLE & HOLD
IC561
IC1561
VR562
VR563
R-LCD PANEL
G-LCD PANEL
B-LCD PANEL
IC1401 PSIG
IC1451 PSIG
PSIG
IC3331 BUFFER
HPBC
UDOUT
LROUT
ENB
DWN
RGT
IROMURA
IC471
WHITE UNIFOMITY CORR.
PRG
IC3391 BUFFER
FRP
STV
VCK
HST
IC861 BUFFER
SDAT, S.H, SCLK
IC3301 TIMING CONTROLLER
DCLK
DVS
DHS
BHCLK
GHCLK
RHCLK

■ Power Supply Lines (PLC-XW15)


AC CORD
ASSY PWB, LINE FILTER
F601 FUSE
VA601
L601
L602
K6A
SW904 INTER LOCK SW.
SW902 THERMAL SW.
K6C
DB611
L611
D612
Q611
C618
R612/ R613
TSW611
IC01 P.F.CONTROL
VR01
Q641
IC631 SWITCHING POWER SUPPLY
D635
D632
T651 CONVERTER TRANSFORMER
D651
D652
D653
C636
D634
IC656
PC641
FEED BACK
PC642
OVER VOLT._DET.
Q661/ Q662
D660
OVER VOLT._DET.
D634
PC643
PC644
Q663
LAMP BALLAST SW.
Q671
15.5V1
15.5V
D665
L687
S6V
L683
5V
L685
5VD
Q681
S-5V
K6J
K3C
1-3
6-8
9
10-11
15.5V1
S6V
S-5V
R1973, R1974
5V
D1971
K6K
K3D
2-4
7-8
11
13
12
5VD
15.5V
5V_SW
P-FAIL
LAMP_BST_SW
K6F
LAMP BALLAST UNIT
ASSY PWB, POWER
K10A
K50A
47-50
5V
5V
K10B
K50B
47-54
S5V
S5V
39-42
S-5V
S-5V
ASSY PWB, AV
Q3501
15VL
D3501
15.5V
9V REG.
IC2631
9V
D2631
6VD
5V REG.
IC472
D471
3.3V REG.
IC3302
3.3V
D3301
9V REG.
IC2643
5VD
D2643
S6V
5V REG.
IC2642
S5VD
IC451
5V_DV
D451
5V_SW
R1971,R1972,T1975
S5V
3.3V REG.
IC2601
S3.3V1
2.5V REG.
IC2612
S2.5V
3.3V REG.
IC2621
S3.3V2
P-FAIL
IC1851 COMP.
IC1808 I/O EXPANDER
IC1804 I/O EXPANDER
FAN DRIVE
IC301 SYSTEM CONTROL
148
208
Q371
5V_SW
LAMP_BST_SW
5V
K28Q
K8Q
5V
ASSY PWB, R/C
12V
K6P
K5A
1-2
12V
D003
P-FAIL
ASSY PWB, AUDIO
S5V
K8H
K8G
S5V
D1831
ASSY PWB, TEMP
ASSY PWB, MAIN
R-LCD PANEL
G-LCD PANEL
B-LCD PANEL
K5RR
K5GG
K5BB
K8A
K3A
35-38
15-20
7-8
15.5V
15.5V1
15.5V1
Q2701
IC2641
15.5V
D2501
12V
REG.&SW
D2641
IC2651
12V1
REG.&SW
D2651
IC2671
12V2
REG.&SW
D2671
IC2661
12V3
REG.&SW
D2661
IC2691
12V
REG.&SW
D2691
IC2681
12V
REG.&SW
D2681
Q6611
K3A
K8A
11-12
47-50
23-26
29-32
53-56
P-FAIL
12V
K3M
K3N
D6611
FN902
FN904
Q6612
D6613
D6612
K3J
K3K
K3L
FN901
FN903
FN905
ASSY PWB, COMPONENT

■ Schematic Diagrams PLC-XW15


LINE FILTER MP6A ASSY,PWB, 1AA0B10C3110B
INTER LOCK SW
SW904
TERMOSTAT SW
SW902
HOT SIDE
COLD SIDE
IL901
AC CORD 1AV4W11B 00800
AC100-120V AC200-240V
F.G.
TO F.G.
K6A
K6B
RUSH CURRENT SUPPRESSION
POWER FACTOR CORRECTION
CB1
K6D
K6C
LAMP BALLAST A901 1AV4U20B35800
LP901
LENS 1AV4Z10B18300
CB2
ASSY,PWB,HIC MP6A
IC01 FA5332M
P.F.CONTROL
VR01
T651
15.5V
6.0V
S-5V
IC631 STR-Z2156
IC656 UPC1093T-E1
CURRENT RESONANSE TYPE POWER SUPPLY
ASSY,PWB,POWER MP6A SERVICE 1AASB10C3110A
6V
5V
5VD
LAMP_BST-SW
P-FAIL
K6J
K8K
K3C
K3D
K10A
K50A
K6CC
K6C
B
C
D
E
F
G
H
I
J
K
L
1
2
3
4
5
6
7
8
MP6AA-01
AV
ASS
1AA

CAUTION

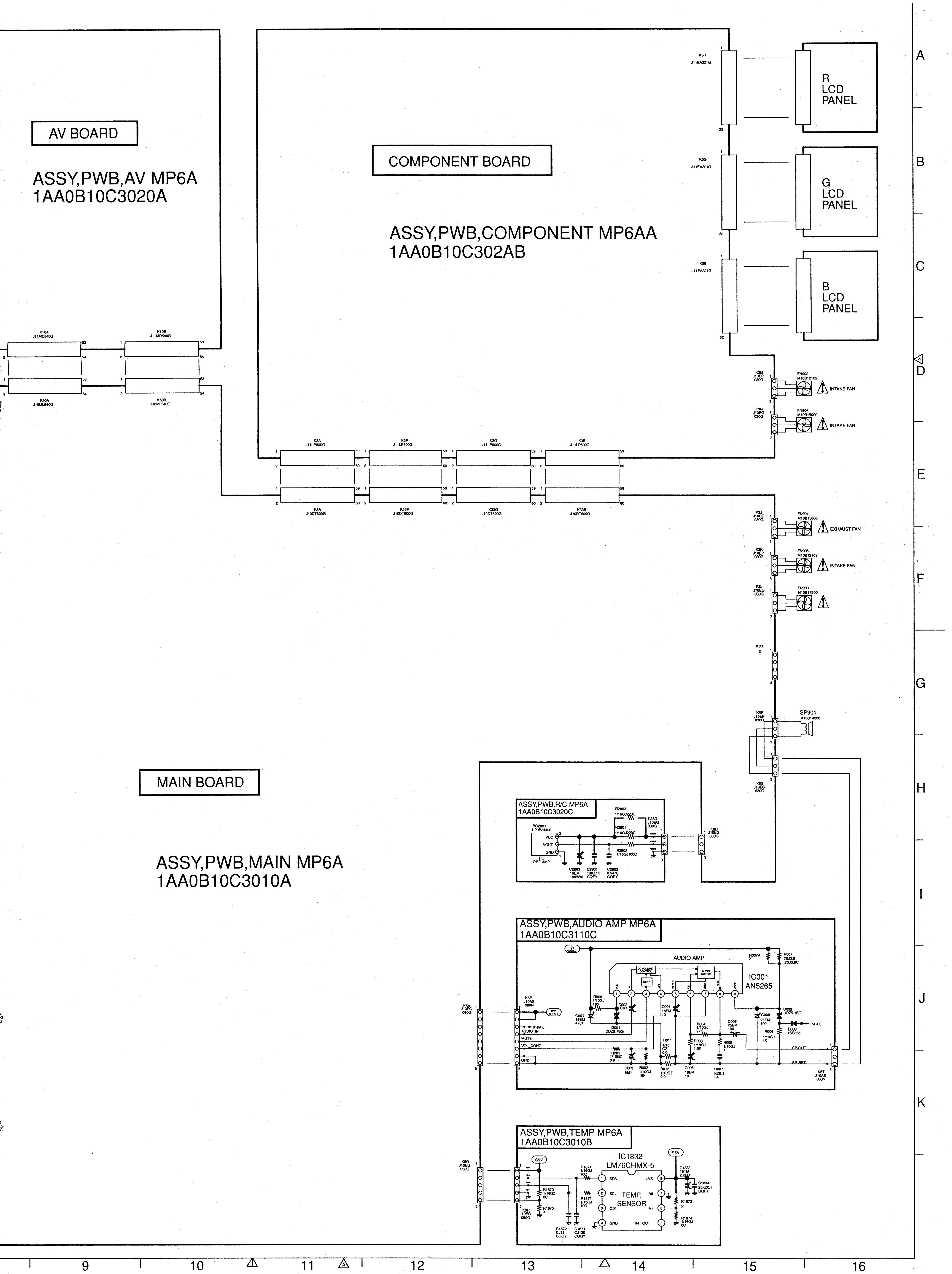
Fuse of the specified parts number must be used.
Unauthorized substitutions may result in fire or accident.

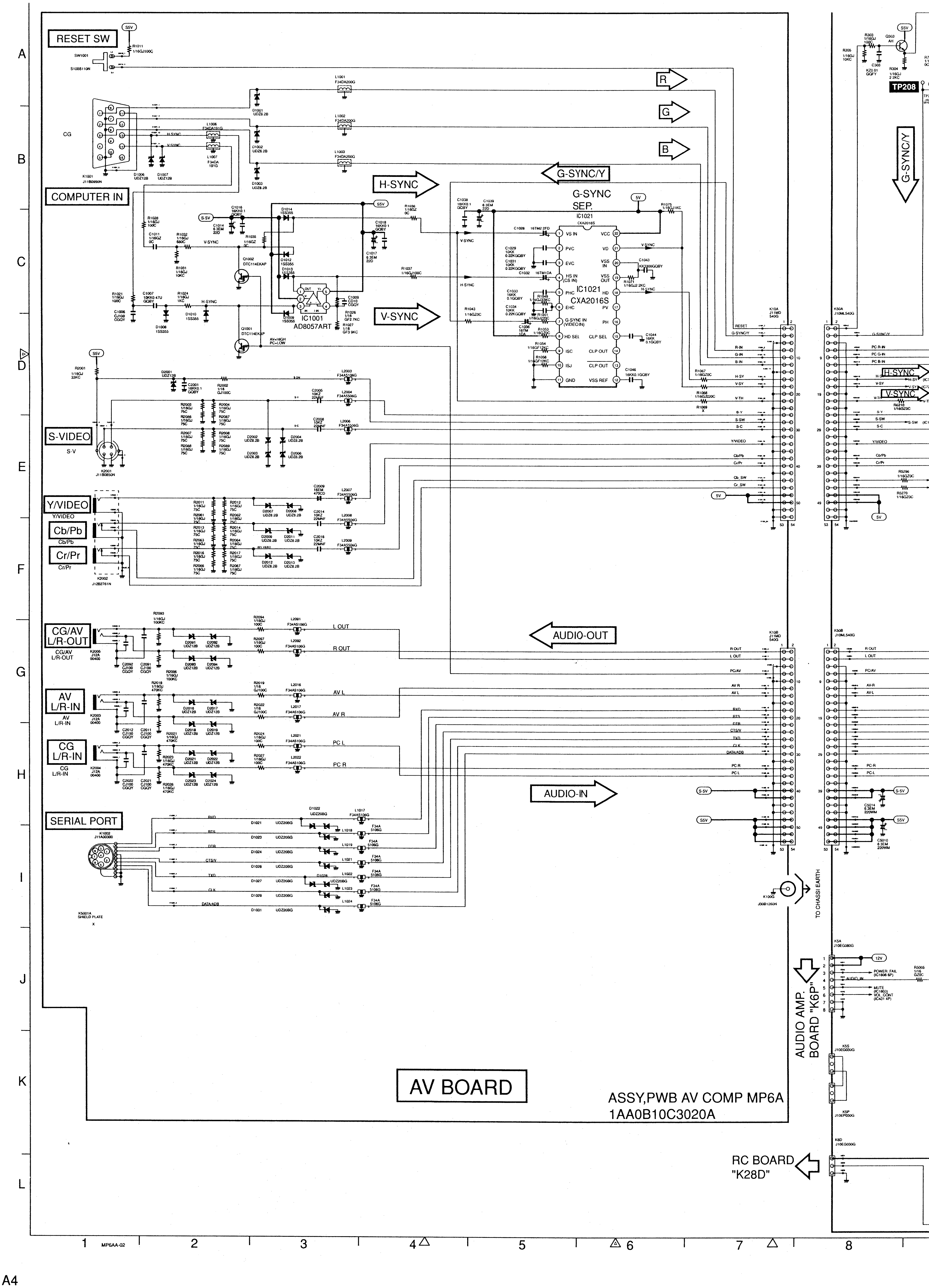
CAUTION

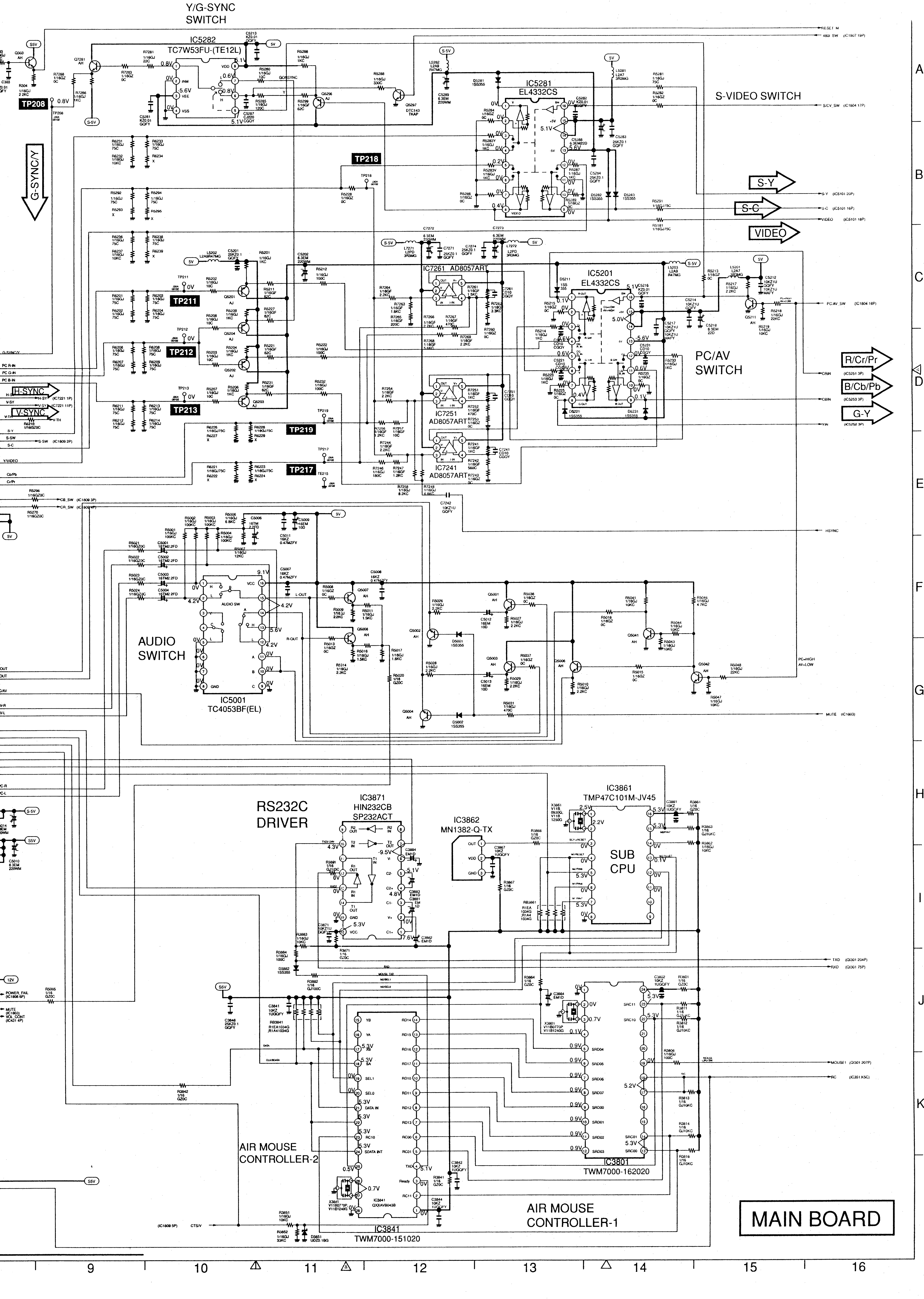
Components indicated by a mark ⚠ in this schematic diagram designate components in which safety can be of special significance. It is, therefore, particularly recommended that the replacement of these parts must be made by exactly the same parts.

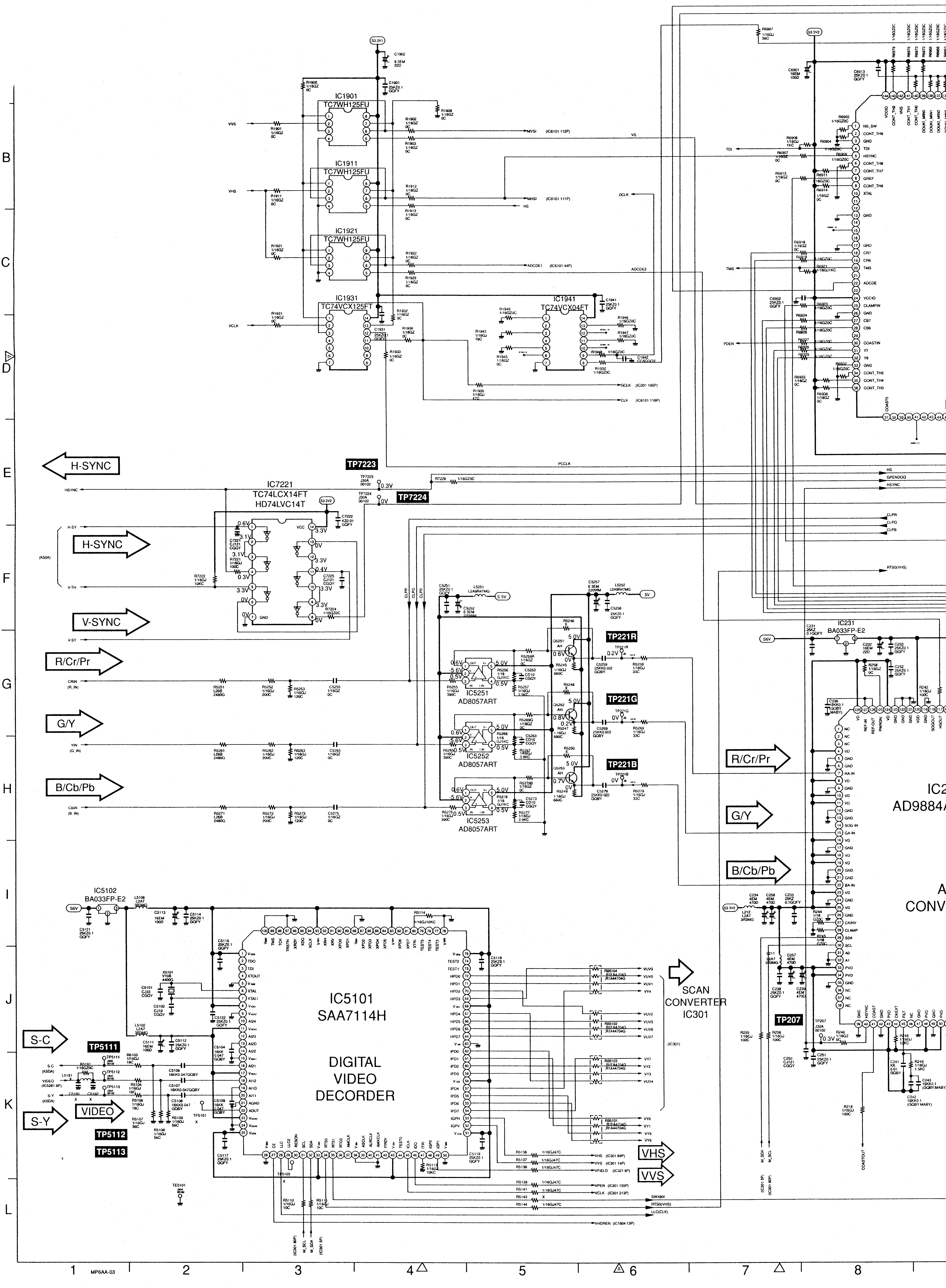
This projector is isolated from AC line by using the internal converter transformer.
Please pay attention to the following notes in servicing.

① Do not touch the part on hot side (primary circuit) or both parts on hot and cold sides (secondary circuit) at the same time.
② Do not shorten the circuit between hot and cold sides.
③ The grounding lead must be connected to the ground of the same circuit when measuring of voltages and waveforms.

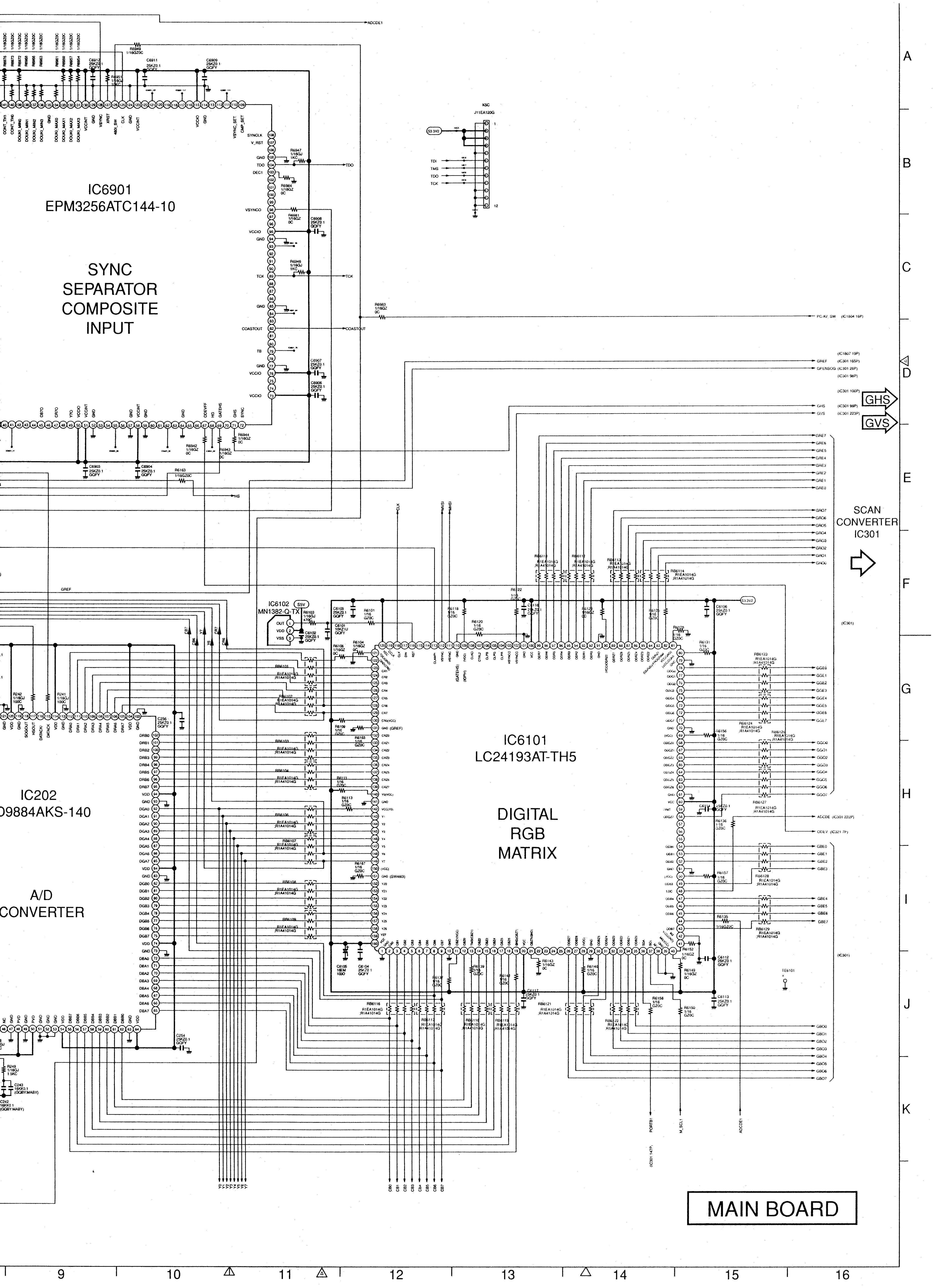

AV BOARD
ASSY,PWB,AV MP6A
1AA0B10C3020A
COMPONENT BOARD
ASSY,PWB,COMPONENT MP6AA
1AA0B10C302AB
K5R
J11EA321G
K5G
J11EA321G
K5B
J11EA321G
R
LCD
PANEL
G
LCD
PANEL
B
LCD
PANEL
K10A
J11MD540G
K10B
J11MD540G
K50A
J10ML540G
K50B
J10ML540G
K3A
J11LP600G
K3R
J11LP600G
K3G
J11LP600G
K3B
J11LP600G
K8A
J10DT600G
K33R
J10DT600G
K33G
J10DT600G
K33B
J10DT600G
K3M
J10EP
030G
FN902
M10B12102
INTAKE FAN
K3N
J10EG
030G
FN904
M10B15900
INTAKE FAN
K3J
J10EG
030G
FN901
M10B15800
EXHAUST FAN
K3K
J10EP
030G
FN905
M10B12102
INTAKE FAN
K3L
J10EG
030G
FN903
M10B17200
K8B
X
K5P
J10EP
030G
SP901
A10B14200
K5S
J10EG
030G
MAIN BOARD
ASSY,PWB,MAIN MP6A
1AA0B10C3010A
ASSY,PWB,R/C MP6A
1AA0B10C3020C
RC2801
U20B24400
VCC
VOUT
GND
RC
PRE AMP
R2803
1/16GJ220C
R2801
1/16GJ220C
R2802
1/16GJ100C
K28D
J10EG
030G
C2803
10EM
100WM
C2801
10KZ1U
GQFY
C2802
KK470
GOBY
K8D
J10EG
030G
ASSY,PWB,AUDIO AMP MP6A
1AA0B10C3110C
12V AUDIO
AUDIO AMP
DC VOLUME CONTROL
MUTE
AUDIO OUTPUT
VCC1
IN
VOL
FILTER
F.B.
GND
OUT
VCC2
IC001
AN5265
R007A
X
R007
2SJ3.9
:2SJ3.9C
K5A
J10EG
080G
K6P
J10AS
080N
P-FAIL
AUDIO_IN
MUTE
VOL_CONT
GND
R008
1/10GJ
180
C001
16EM
470T
C002
EM1
D001
UDZ9.1BG
C004
16EM
10
R011
1/10
GZ
0.0
R004
1/10GJ
27K
R003
1/10GJ
1.5K
R005
1/10GJ
1
C006
25EM
100
C008
25EM
100
D002
UDZ5.1BG
D003
1SS355
R006
1/10GJ
1K
R001
1/10GZ
0.0
C003
EM1
R002
1/10GJ
18K
R012
1/10GZ
0.0
C005
16EM
10
C007
KZ0.1
FA
SP-OUT
SP-RET
K6T
J10AS
030N
ASSY,PWB,TEMP MP6A
1AA0B10C3010B
K8G
J10EG
050G
K8H
J10EG
050G
S5V
R1870
1/16GZ
0C
R1875
X
R1871
1/16GJ
10C
R1872
1/16GJ
10C
C1872
CJ33
CGQY
C1871
CJ120
CGQY
IC1832
LM76CHMX-5
SDA
SCL
O.S.
GND
+VS
A0
A1
INT OUT
TEMP.
SENSOR
C1833
16TM
2.2ED
C1834
25KZ0.1
GQFY
R1873
X
R1874
1/16GZ
0C
A
B
C
D
E
F
G
H
I
J
K
9
10
11
12
13
14
15
16

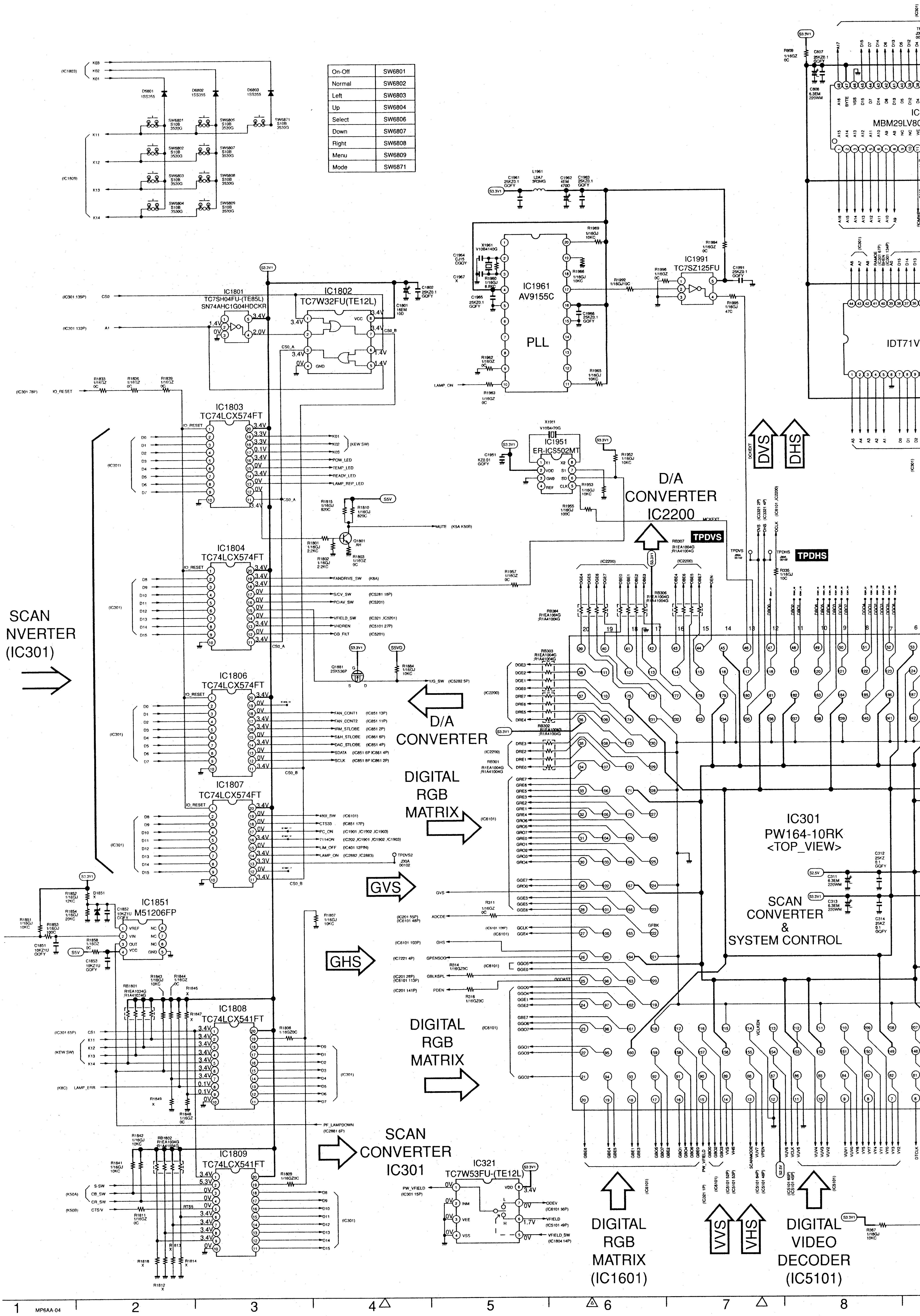
RESET SW
COMPUTER IN
CG
R
G
B
H-SYNC
V-SYNC
G-SYNC/Y
G-SYNC SEP.
IC1021
CXA2016S
IC1001
AD8057ART
S-VIDEO
S-V
Y/VIDEO
Cb/Pb
Cr/Pr
CG/AV L/R-OUT
AV L/R-IN
CG L/R-IN
SERIAL PORT
AUDIO-OUT
AUDIO-IN
L OUT
R OUT
AV L
AV R
PC L
PC R
TP208
TO CHASSI EARTH
AUDIO AMP. BOARD "K6P"
RC BOARD "K28D"
AV BOARD
ASSY,PWB AV COMP MP6A
1AA0B10C3020A
MP6AA-02
A
B
C
D
E
F
G
H
I
J
K
L
1
2
3
4
5
6
7
8


Y/G-SYNC
SWITCH
IC5282
TC7W53FU-(TE12L)
TP208
G-SYNC/Y
IC5281
EL4332CS
S-VIDEO SWITCH
TP218
S-Y
S-C
VIDEO
IC7261 AD8057ART
IC5201
EL4332CS
TP211
TP212
TP213
H-SYNC
V-SYNC
IC7251
AD8057ART
IC7241
AD8057ART
TP219
TP217
PC/AV
SWITCH
R/Cr/Pr
B/Cb/Pb
G-Y
AUDIO
SWITCH
IC5001
TC4053BF(EL)
RS232C
DRIVER
IC3871
HIN232CB
SP232ACT
IC3862
MN1382-Q-TX
IC3861
TMP47C101M-JV45
SUB
CPU
AIR MOUSE
CONTROLLER-2
IC3841
TWM7000-151020
IC3801
TWM7000-162020
AIR MOUSE
CONTROLLER-1
MAIN BOARD
A
B
C
D
E
F
G
H
I
J
K
9
10
11
12
13
14
15
16

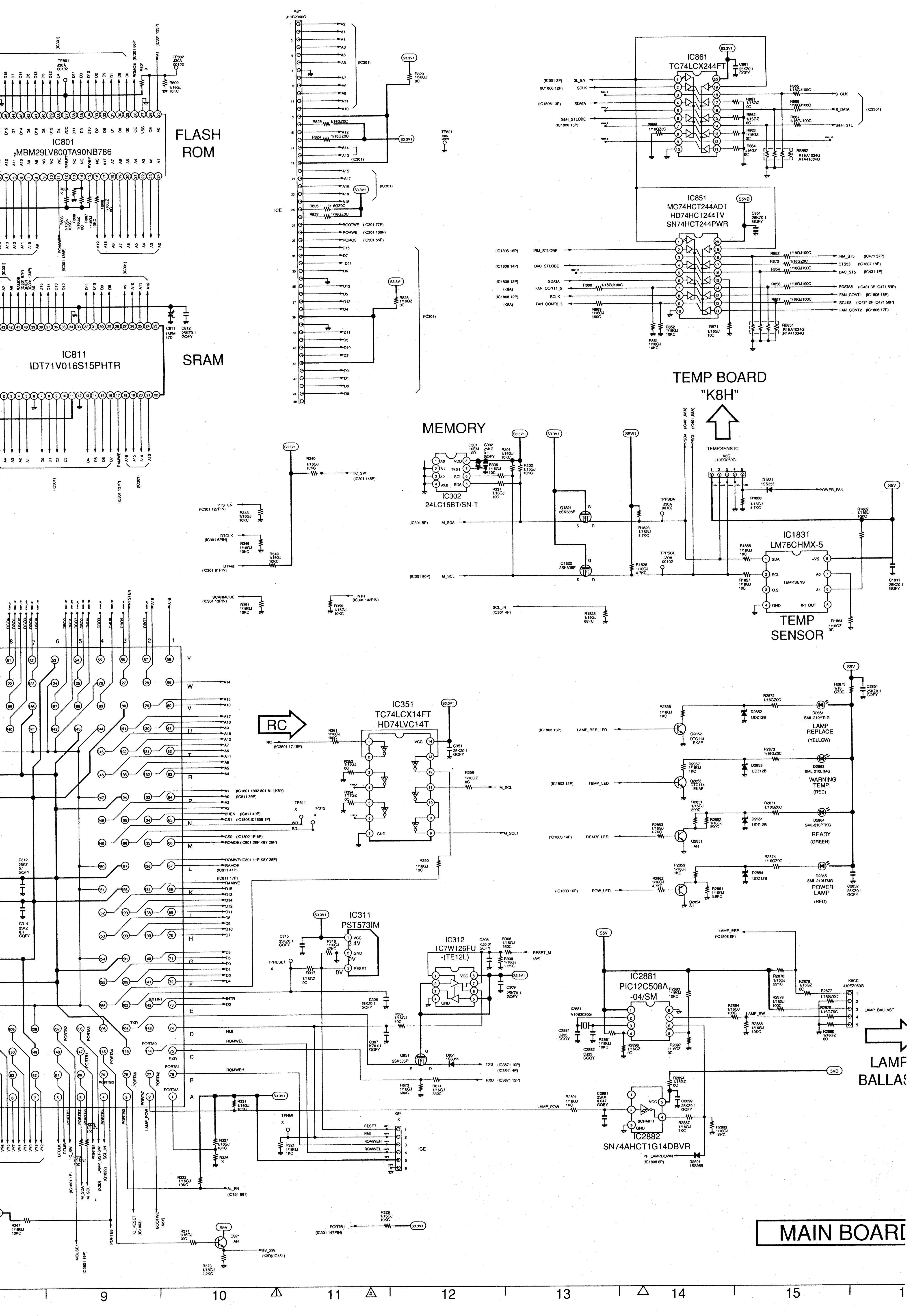

IC1901
TC7WH125FU
IC1911
TC7WH125FU
IC1921
TC7WH125FU
IC1931
TC74VCX125FT
IC1941
TC74VCX04FT
VVS
VHS
VCLK
MVSI (IC6101 112P)
MHSI (IC6101 111P)
HS
VS
DCLK
ADCDE1 (IC6101 44P)
ADCDE2
GCLK (IC301 100P)
CLK (IC6101 118P)
PCCLK
H-SYNC
H-SYNC
V-SYNC
IC7221
TC74LCX14FT
HD74LVC14T
TP7223
TP7224
HSYNC
H-SY
V-TH
V-SY
R/Cr/Pr
G/Y
B/Cb/Pb
CRIN (R_IN)
YIN (G_IN)
CBIN (B_IN)
CLPR
CLPG
CLPB
IC5251
AD8057ART
IC5252
AD8057ART
IC5253
AD8057ART
TP221R
TP221G
TP221B
IC5102
BA033FP-E2
IC5101
SAA7114H
DIGITAL
VIDEO
DECORDER
SCAN
CONVERTER
IC301
S-C
S-Y
VIDEO
TP5111
TP5112
TP5113
VHS
VVS
VFIELD
VPEN
VCLK
RTS0(VHS)
LLC(CLK)
VHDREN (IC1804 13P)
SW4801
M_SCL
M_SDA
IC231
BA033FP-E2
IC2
AD9884
A
CONV
R/Cr/Pr
G/Y
B/Cb/Pb
TP207
HS
GPENDOG
HSYNC
RTS0(VHS)
TDI
TMS
PDEN
COASTOUT
B
C
D
E
F
G
H
I
J
K
L
1
2
3
4
5
6
7
8
MP6AA-03

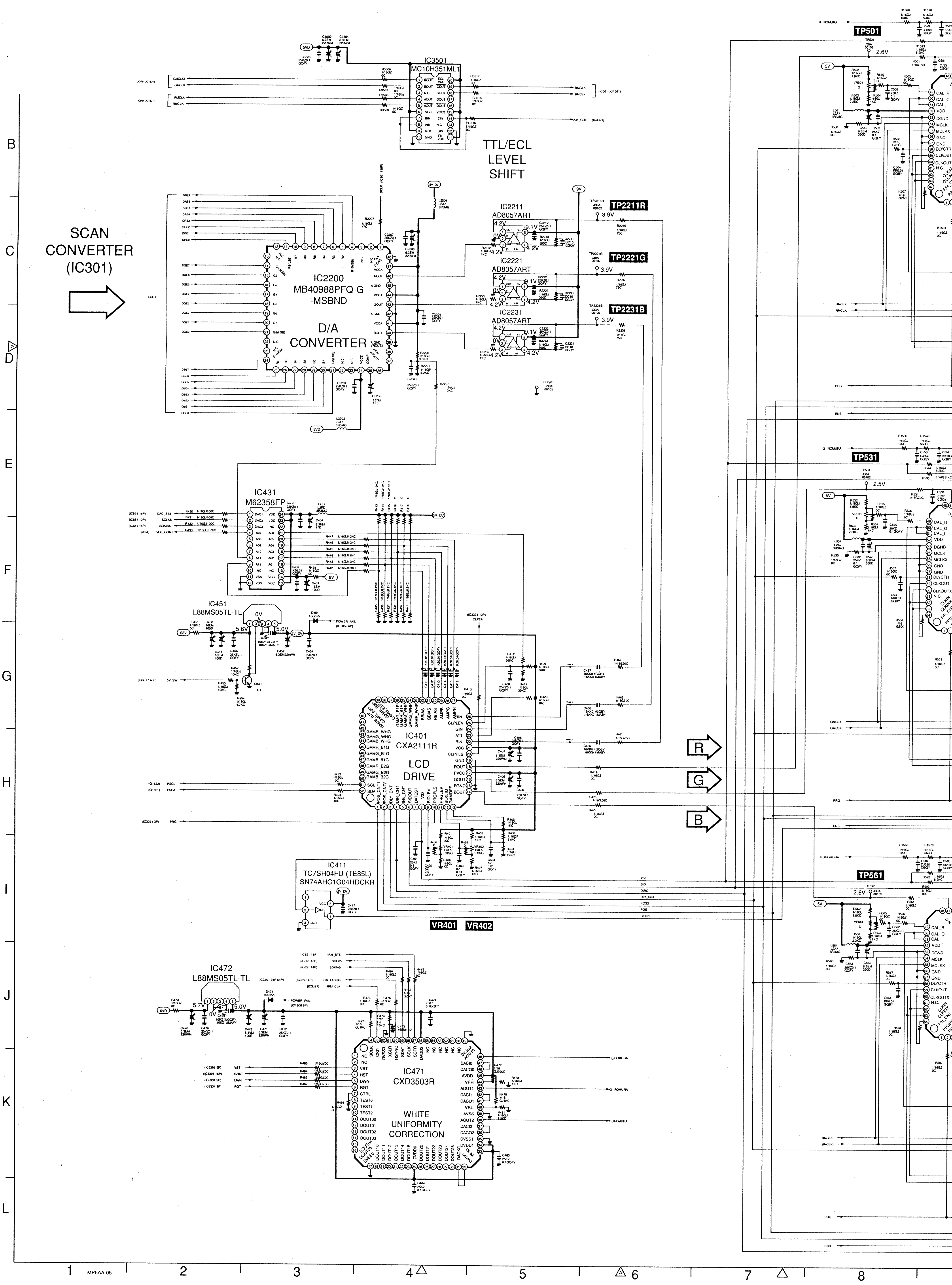
(MP6-XW1500)

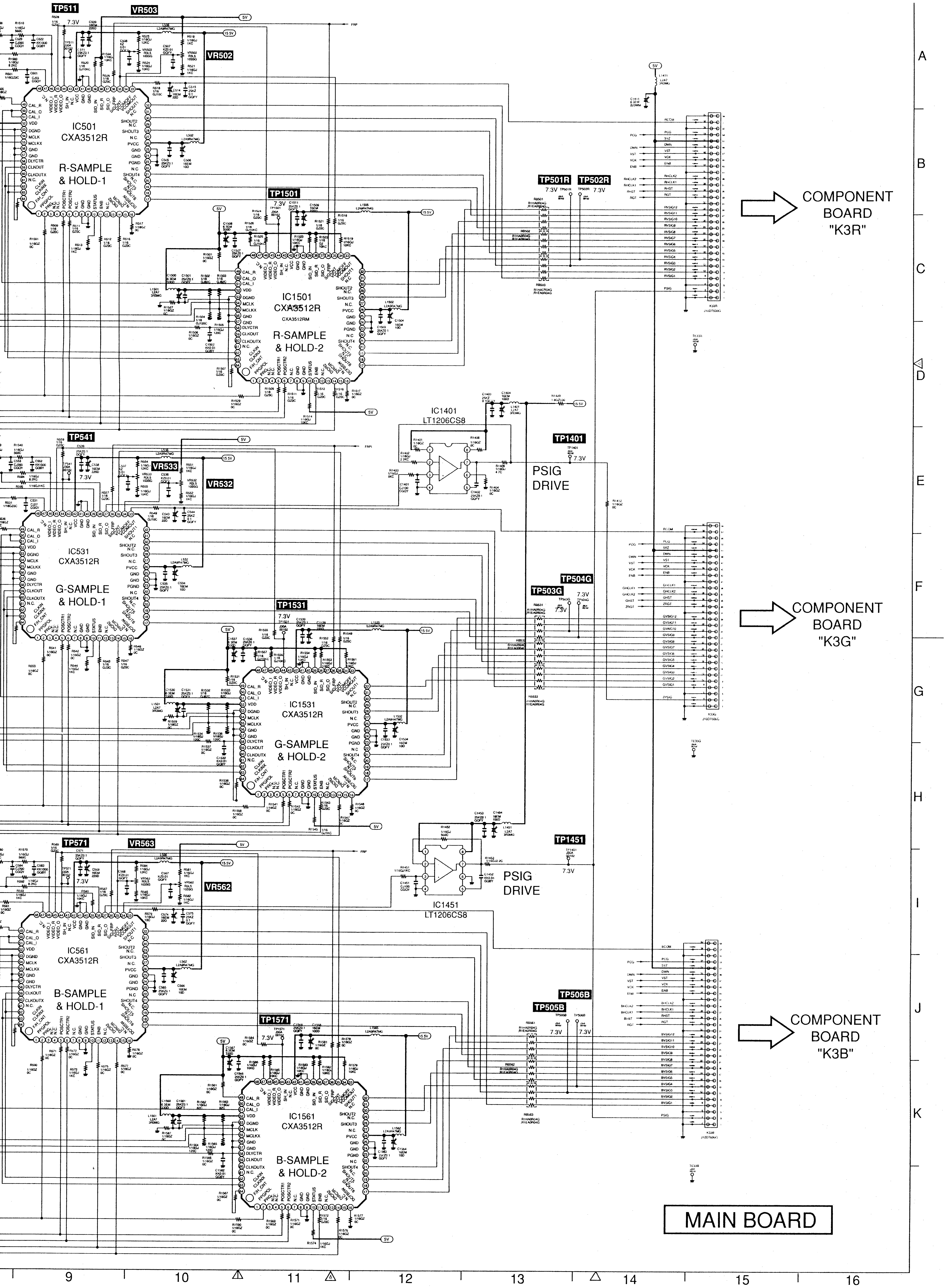

IC6901
EPM3256ATC144-10
SYNC
SEPARATOR
COMPOSITE
INPUT
IC6102
MN1382-Q-TX
IC6101
LC24193AT-TH5
DIGITAL
RGB
MATRIX
IC202
D9884AKS-140
A/D
CONVERTER
SCAN
CONVERTER
IC301
GHS
GVS
K5C
J11EA120G
TDI
TMS
TDO
TCK
COASTOUT
PC-AV_SW
GREF
GPENSOG
HS
ADCDE1
PORTB1
M_SCL1
MAIN BOARD
A
B
C
D
E
F
G
H
I
J
K
9
10
11
12
13
14
15
16

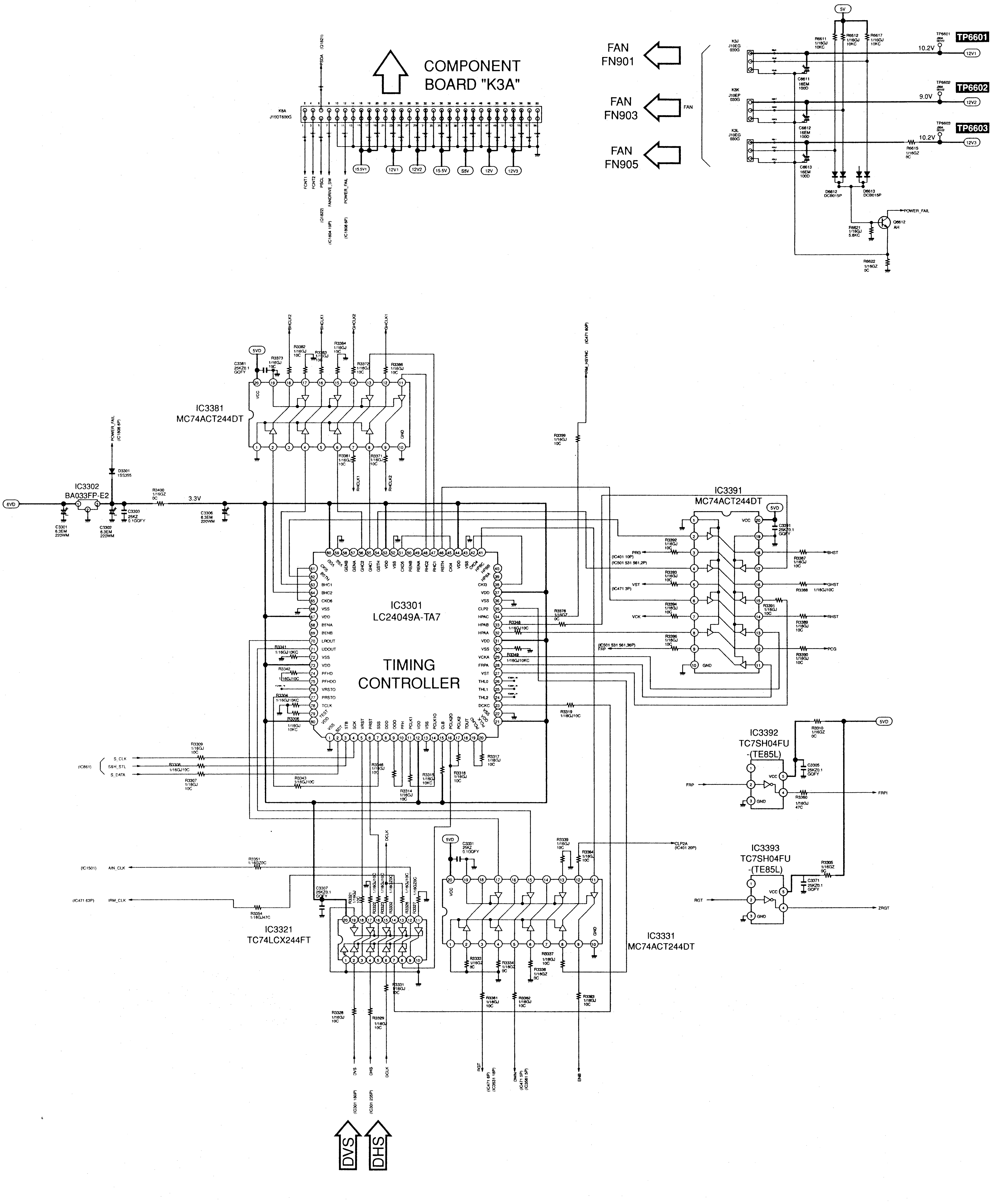

IC1801
TC7SH04FU-(TE85L)
SN74AHC1G04HDCKR
IC1802
TC7W32FU(TE12L)
IC1803
TC74LCX574FT
IC1804
TC74LCX574FT
IC1806
TC74LCX574FT
IC1807
TC74LCX574FT
IC1808
TC74LCX541FT
IC1809
TC74LCX541FT
IC1851
M51206FP
IC321
TC7W53FU-(TE12L)
IC1961
AV9155C
PLL
IC1991
TC7SZ125FU
IC1951
ER-ICS502MT
D/A
CONVERTER
IC2200
TPDVS
TPDHS
DVS
DHS
SCAN
NVERTER
(IC301)
D/A
CONVERTER
DIGITAL
RGB
MATRIX
GVS
GHS
DIGITAL
RGB
MATRIX
SCAN
CONVERTER
IC301
IC301
PW164-10RK
<TOP_VIEW>
SCAN
CONVERTER
&
SYSTEM CONTROL
MBM29LV80
IDT71V
DIGITAL
RGB
MATRIX
(IC1601)
VVS
VHS
DIGITAL
VIDEO
DECODER
(IC5101)
1
MP6AA-04
2
3
4
5
6
7
8

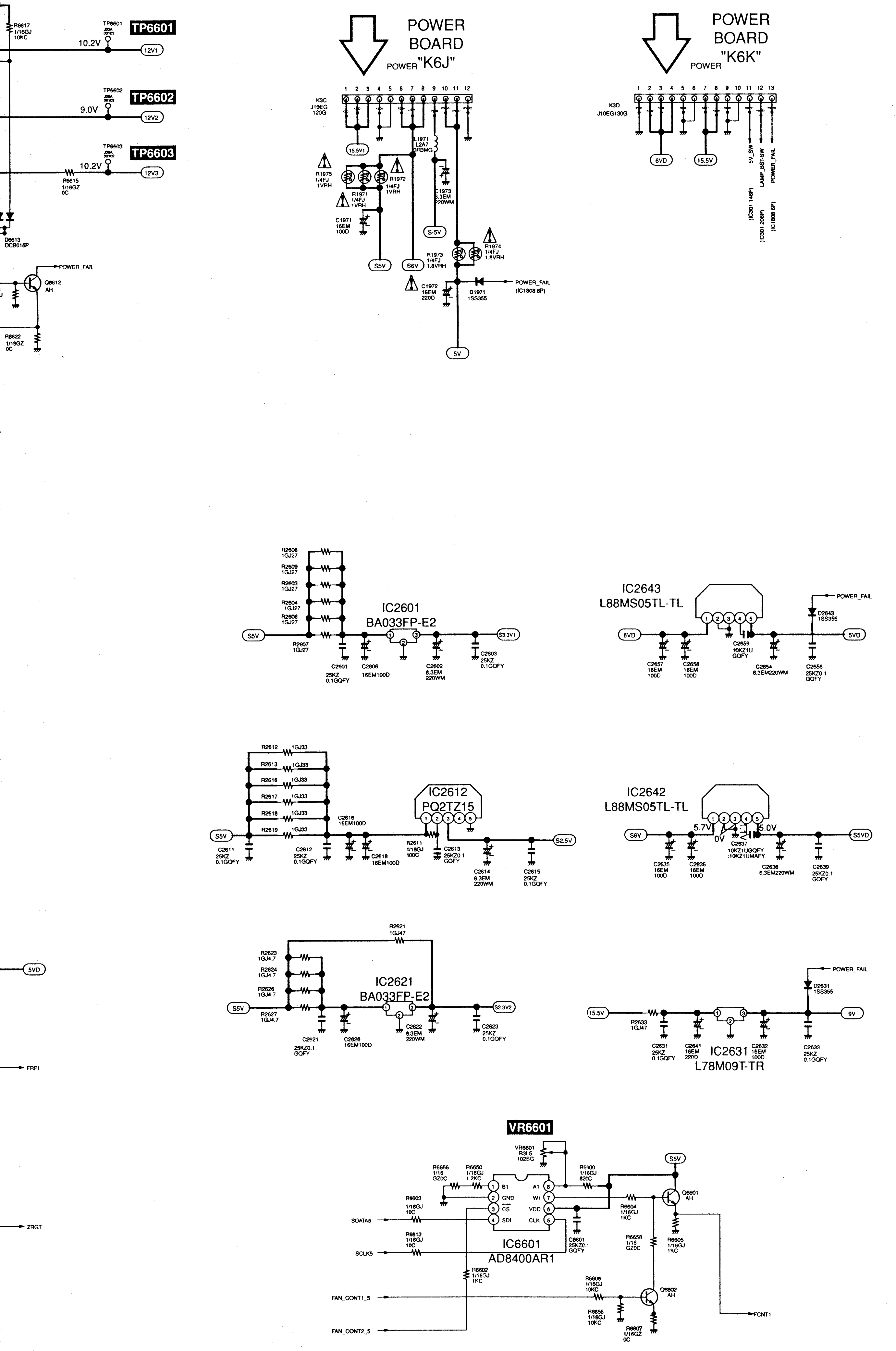
On-Off	SW6801
Normal	SW6802
Left	SW6803
Up	SW6804
Select	SW6806
Down	SW6807
Right	SW6808
Menu	SW6809
Mode	SW6871


IC801
MBM29LV800TA90NB786
FLASH ROM
IC811
IDT71V016S15PHTR
SRAM
ICE
IC861
TC74LCX244FT
IC851
MC74HCT244ADT
HD74HCT244TV
SN74HCT244PWR
TEMP BOARD
"K8H"
MEMORY
IC302
24LC16BT/SN-T
IC1831
LM76CHMX-5
TEMP SENSOR
RC
IC351
TC74LCX14FT
HD74LVC14T
LAMP REPLACE (YELLOW)
WARNING TEMP. (RED)
READY (GREEN)
POWER LAMP (RED)
IC311
PST573IM
IC312
TC7W126FU
-(TE12L)
IC2881
PIC12C508A
-04/SM
IC2882
SN74AHCT1G14DBVR
LAMP BALLAS
MAIN BOARD
9
10
11
12
13
14
15


IC3501
MC10H351ML1
TTL/ECL
LEVEL
SHIFT
SCAN
CONVERTER
(IC301)
IC2200
MB40988PFQ-G
-MSBND
D/A
CONVERTER
IC2211
AD8057ART
IC2221
AD8057ART
IC2231
AD8057ART
TP2211R
TP2221G
TP2231B
IC431
M62358FP
IC451
L88MS05TL-TL
IC401
CXA2111R
LCD
DRIVE
R
G
B
IC411
TC7SH04FU-(TE85L)
SN74AHC1G04HDCKR
VR401
VR402
IC472
L88MS05TL-TL
IC471
CXD3503R
WHITE
UNIFORMITY
CORRECTION
TP501
TP531
TP561
B
C
D
E
F
G
H
I
J
K
L
1
2
3
4
5
6
7
8
MP6AA-05

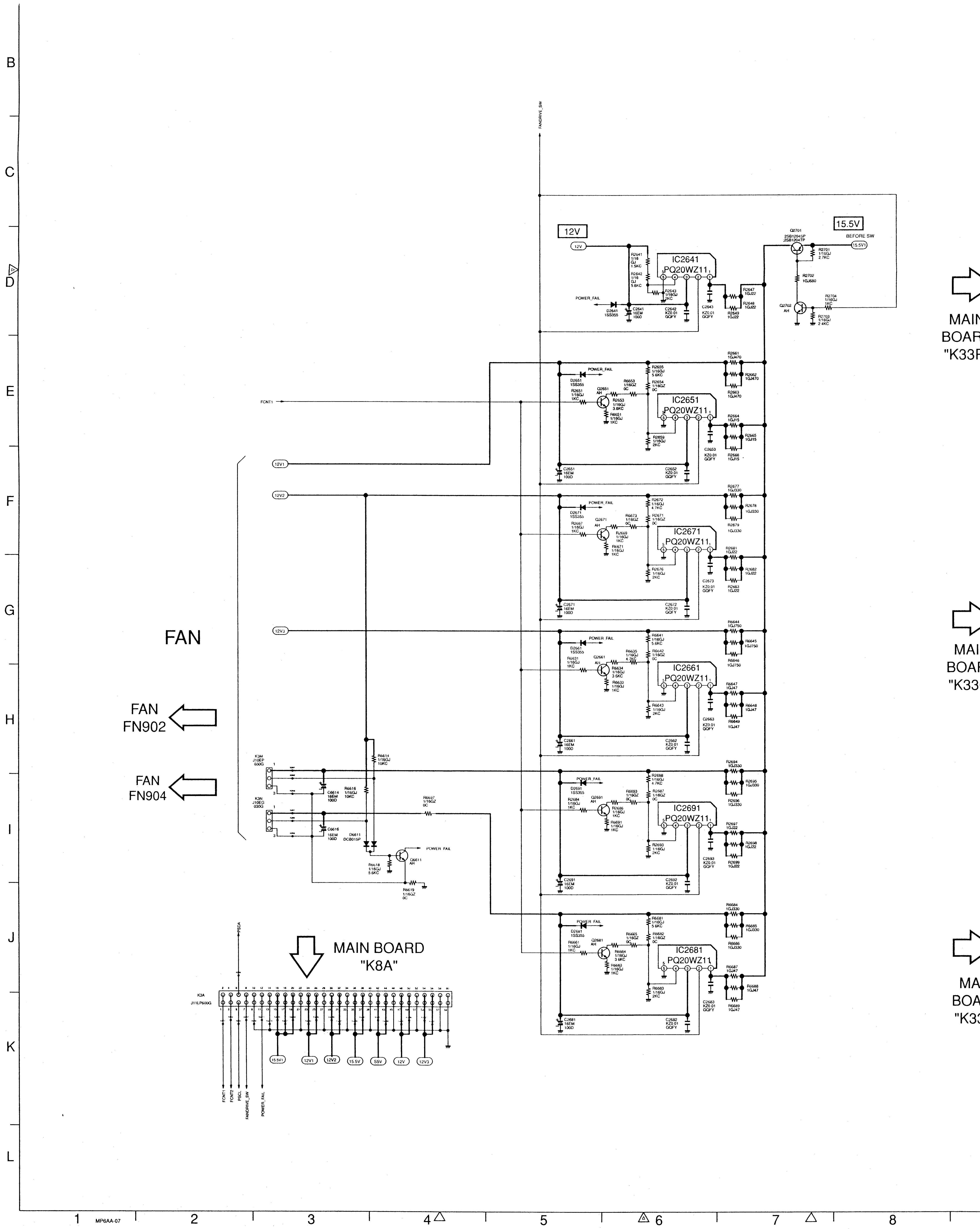

TP511
VR503
VR502
IC501
CXA3512R
R-SAMPLE
& HOLD-1
TP1501
IC1501
CXA3512R
R-SAMPLE
& HOLD-2
TP501R
TP502R
7.3V
COMPONENT
BOARD
"K3R"
IC1401
LT1206CS8
TP1401
PSIG
DRIVE
TP541
VR533
VR532
IC531
CXA3512R
G-SAMPLE
& HOLD-1
TP1531
IC1531
CXA3512R
G-SAMPLE
& HOLD-2
TP504G
TP503G
COMPONENT
BOARD
"K3G"
TP571
VR563
VR562
TP1451
PSIG
DRIVE
IC1451
LT1206CS8
IC561
CXA3512R
B-SAMPLE
& HOLD-1
TP1571
IC1561
CXA3512R
B-SAMPLE
& HOLD-2
TP506B
TP505B
COMPONENT
BOARD
"K3B"
MAIN BOARD
A
B
C
D
E
F
G
H
I
J
K
9
10
11
12
13
14
15
16


COMPONENT BOARD "K3A"
K8A J10DT600G
FAN FN901
FAN FN903
FAN FN905
FAN
K3J J10EG 030G
K3K J10EP 030G
K3L J10EG 030G
5V
TP6601
TP6602
TP6603
10.2V
9.0V
10.2V
12V1
12V2
12V3
15.5V1
12V1
12V2
15.5V
S5V
12V
12V3
POWER_FAIL
FCNT1
FCNT2
PSCL
FANDRIVE_SW
POWER_FAIL
D6612 DCB015P
D6613 DCB015P
Q6612 AH
IC3381 MC74ACT244DT
IC3302 BA033FP-E2
6VD
3.3V
5VD
IC3301 LC24049A-TA7
TIMING CONTROLLER
IC3391 MC74ACT244DT
PRG
VST
VCK
BHST
GHST
RHST
PCG
FRP
IC3392 TC7SH04FU -(TE85L)
FRPI
IC3393 TC7SH04FU -(TE85L)
RGT
ZRGT
S_CLK
S&H_STL
S_DATA
AIN_CLK
IRM_CLK
IC3321 TC74LCX244FT
IC3331 MC74ACT244DT
CLP2A
DVS
DHS
DCLK
RGT
DWN
ENB
BHCLK2
BHCLK1
GHCLK2
GHCLK1
RHCLK1
RHCLK2
DVS
DHS

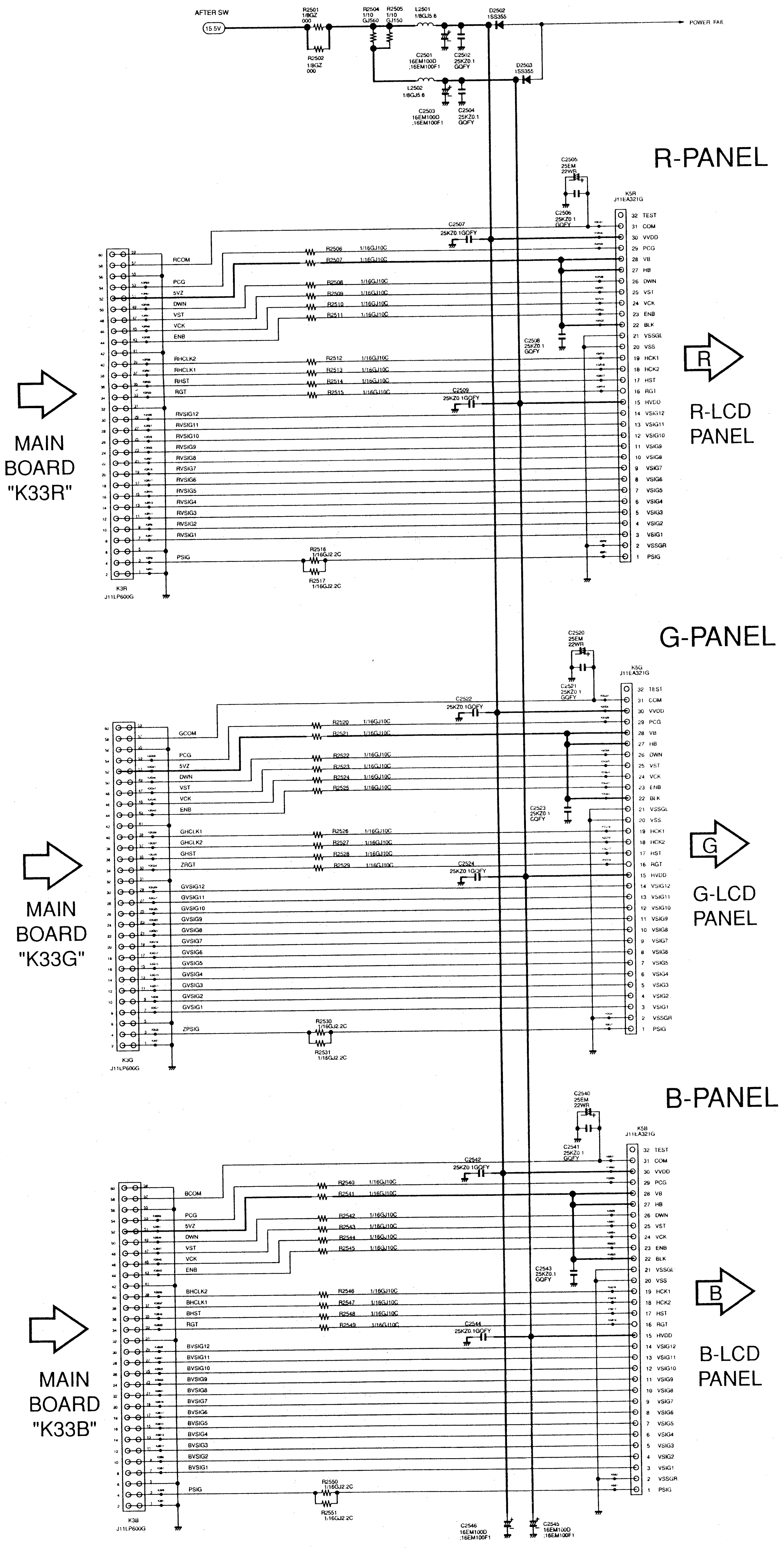

R6617
1/16GJ
10KC
TP6601
J30A
00102
TP6601
10.2V
12V1
TP6602
J30A
00102
TP6602
9.0V
12V2
TP6603
J30A
00102
TP6603
10.2V
R6615
1/16GZ
0C
12V3
D6613
DCB015P
POWER_FAIL
Q6612
AH
R6622
1/16GZ
0C
5VD
FRPI
ZRGT
POWER
BOARD
POWER "K6J"
1 2 3 4 5 6 7 8 9 10 11 12
K3C
J10EG
120G
15.5V1
L1971
L2A7
3R3MG
R1975
1/4FJ
1VRH
R1972
1/4FJ
1VRH
R1971
1/4FJ
1VRH
C1973
6.3EM
220WM
C1971
16EM
100D
S-5V
S5V
S6V
R1973
1/4FJ
1.8VRH
R1974
1/4FJ
1.8VRH
C1972
16EM
220D
D1971
1SS355
POWER_FAIL
(IC1808 6P)
5V
POWER
BOARD
POWER "K6K"
1 2 3 4 5 6 7 8 9 10 11 12 13
K3D
J10EG130G
6VD
15.5V
5V_SW
LAMP_BST-SW
POWER_FAIL
(IC301 146P)
(IC301 206P)
(IC1808 6P)
R2608
1GJ27
R2609
1GJ27
R2603
1GJ27
R2604
1GJ27
R2606
1GJ27
R2607
1GJ27
S5V
IC2601
BA033FP-E2
S3.3V1
C2601
25KZ
0.1GQFY
C2606
16EM100D
C2602
6.3EM
220WM
C2603
25KZ
0.1GQFY
IC2643
L88MS05TL-TL
6VD
POWER_FAIL
D2643
1SS355
5VD
C2657
16EM
100D
C2658
16EM
100D
C2659
10KZ1U
GQFY
C2654
6.3EM220WM
C2656
25KZ0.1
GQFY
R2612 1GJ33
R2613 1GJ33
R2616 1GJ33
R2617 1GJ33
R2618 1GJ33
R2619 1GJ33
S5V
C2611
25KZ
0.1GQFY
C2612
25KZ
0.1GQFY
C2616
16EM100D
C2618
16EM100D
IC2612
PQ2TZ15
R2611
1/16GJ
100C
C2613
25KZ0.1
GQFY
C2614
6.3EM
220WM
C2615
25KZ
0.1GQFY
S2.5V
IC2642
L88MS05TL-TL
S6V
5.7V
0V
5.0V
S5VD
C2635
16EM
100D
C2636
16EM
100D
C2637
10KZ1UGQFY
:10KZ1UMAFY
C2638
6.3EM220WM
C2639
25KZ0.1
GQFY
R2621
1GJ47
R2623
1GJ4.7
R2624
1GJ4.7
R2626
1GJ4.7
R2627
1GJ4.7
S5V
IC2621
BA033FP-E2
S3.3V2
C2621
25KZ0.1
GQFY
C2626
16EM100D
C2622
6.3EM
220WM
C2623
25KZ
0.1GQFY
POWER_FAIL
D2631
1SS355
15.5V
R2633
1GJ47
9V
C2631
25KZ
0.1GQFY
C2641
16EM
220D
IC2631
L78M09T-TR
C2632
16EM
100D
C2633
25KZ
0.1GQFY
VR6601
VR6601
R3L5
102SG
S5V
R6656
1/16
GZ0C
R6650
1/16GJ
1.2KC
R6600
1/16GJ
620C
B1
GND
CS
SDI
A1
W1
VDD
CLK
Q6601
AH
R6603
1/16GJ
10C
SDATA5
R6604
1/16GJ
1KC
R6613
1/16GJ
10C
SCLK5
C6601
25KZ0.1
GQFY
IC6601
AD8400AR1
R6658
1/16
GZ0C
R6605
1/16GJ
1KC
R6602
1/16GJ
1KC
R6606
1/16GJ
10KC
Q6602
AH
FAN_CONT1_5
FCNT1
R6655
1/16GJ
10KC
R6607
1/16GZ
0C
FAN_CONT2_5

MAIN BOARD

9 10 11 12 13 14 15 1



FAN
FAN FN902
FAN FN904
MAIN BOARD "K8A"
12V
15.5V
BEFORE SW
IC2641 PQ20WZ11
IC2651 PQ20WZ11
IC2671 PQ20WZ11
IC2661 PQ20WZ11
IC2691 PQ20WZ11
IC2681 PQ20WZ11
Q2701 2SB1204SP 2SB1204TP
Q2702 AH
POWER_FAIL
FANDRIVE_SW
FCNT1
FCNT2
PSCL
PSDA
12V1
12V2
12V3
15.5V1
55V
K3M J10EP
K3N J10EG
K3A J11LP600G
D6611 DCB015P
Q6611 AH
MAIN BOAR "K33
MP6AA-07
B
C
D
E
F
G
H
I
J
K
L
1
2
3
4
5
6
7
8


AFTER SW
15.5V
R2501 1/8GZ 000
R2502 1/8GZ 000
R2504 1/10 GJ560
R2505 1/10 GJ150
L2501 1/8GJ5 6
L2502 1/8GJ5 6
C2501 16EM100D ,16EM100F1
C2502 25KZ0.1 GQFY
C2503 16EM100D ,16EM100F1
C2504 25KZ0.1 GQFY
D2502 1SS355
D2503 1SS355
POWER FAIL
R-PANEL
MAIN BOARD "K33R"
R
R-LCD PANEL
K3R J11LP600G
K5R J11EA321G
G-PANEL
MAIN BOARD "K33G"
G
G-LCD PANEL
K3G J11LP600G
K5G J11EA321G
B-PANEL
MAIN BOARD "K33B"
B
B-LCD PANEL
K3B J11LP600G
K5B J11EA321G
32 TEST
31 COM
30 VVDD
29 PCG
28 VB
27 HB
26 DWN
25 VST
24 VCK
23 ENB
22 BLK
21 VSSGL
20 VSS
19 HCK1
18 HCK2
17 HST
16 RGT
15 HVDD
14 VSIG12
13 VSIG11
12 VSIG10
11 VSIG9
10 VSIG8
9 VSIG7
8 VSIG6
7 VSIG5
6 VSIG4
5 VSIG3
4 VSIG2
3 VSIG1
2 VSSGR
1 PSIG
C2546 16EM100D ,16EM100F1
C2545 16EM100D ,16EM100F1

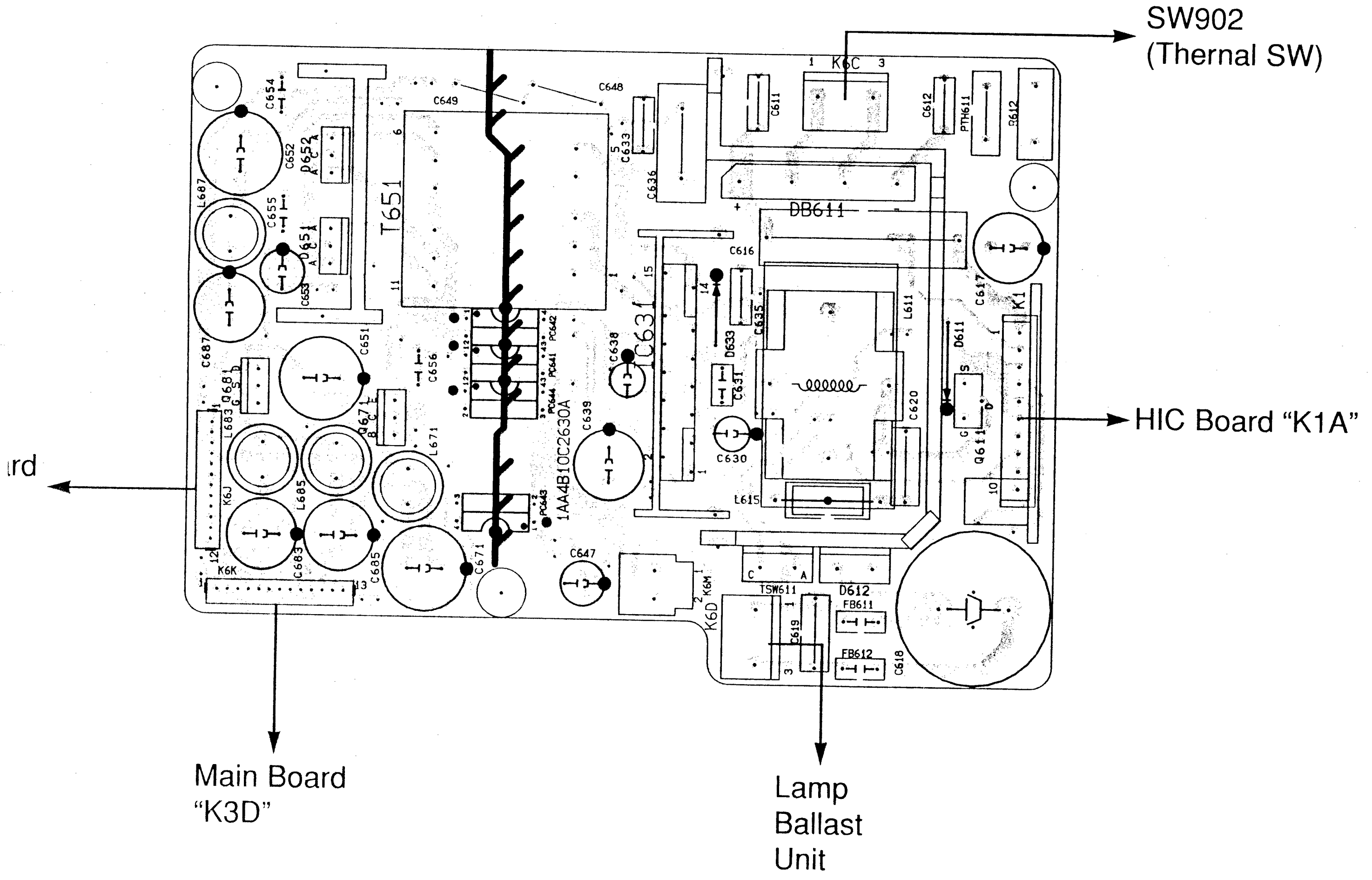
COMPONENT BOARD

■ Printed Wiring Board Diagrams (PLC-XW15)

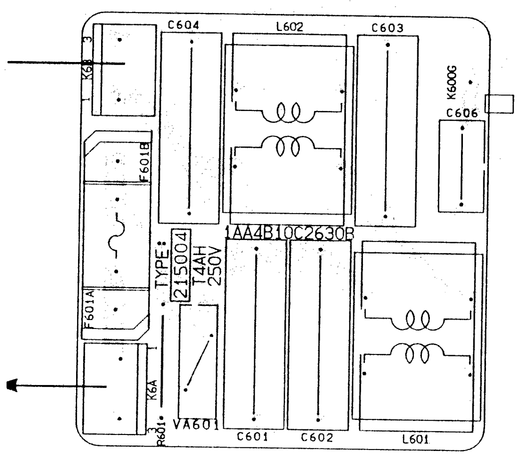
⚠ CAUTION

This projector is isolated from AC line by using the internal converter transformer.
Please pay attention to the following notes in servicing
1. Do not touch the part on hot side (primary circuit) or both parts on hot and cold sides (s circuit) at the same time.
2. Do not shorten the circuit between hot and cold sides.
3. The grounding lead must be connected to the ground of the same circuit when measuri ages and waveforms.

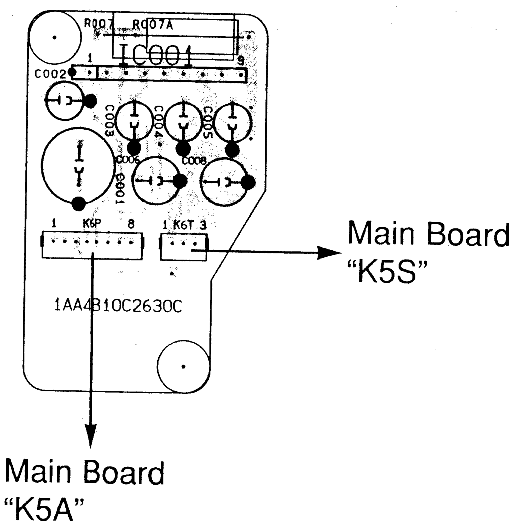
Power Board (SIDE:A)


SW902
(Thernal SW)
HIC Board "K1A"
rd
Main Board
"K3D"
Lamp
Ballast
Unit
T651
DB611
1AA4B10C2630A

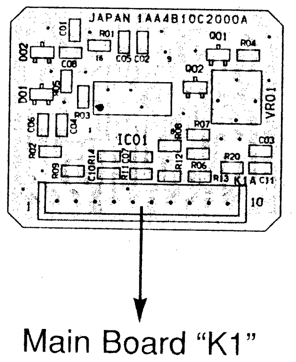
Line Filter Board (SIDE:A)


L602
C604
C603
C606
F601B
F601A
TYPE: 215004 T4AH 250V
1AA4B10C2630B
VA601
C601
C602
L601

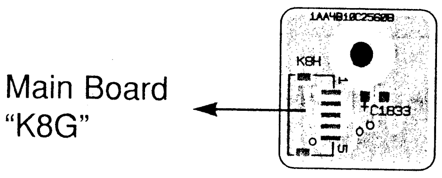
Audio Amp Board (SIDE:A)


IC001
1AA4B10C2630C
Main Board
"K5S"
Main Board
"K5A"

HIC Board (SIDE:A)


JAPAN 1AA4B10C2000A
IC01
Main Board "K1"

Temp Board (SIDE:A)

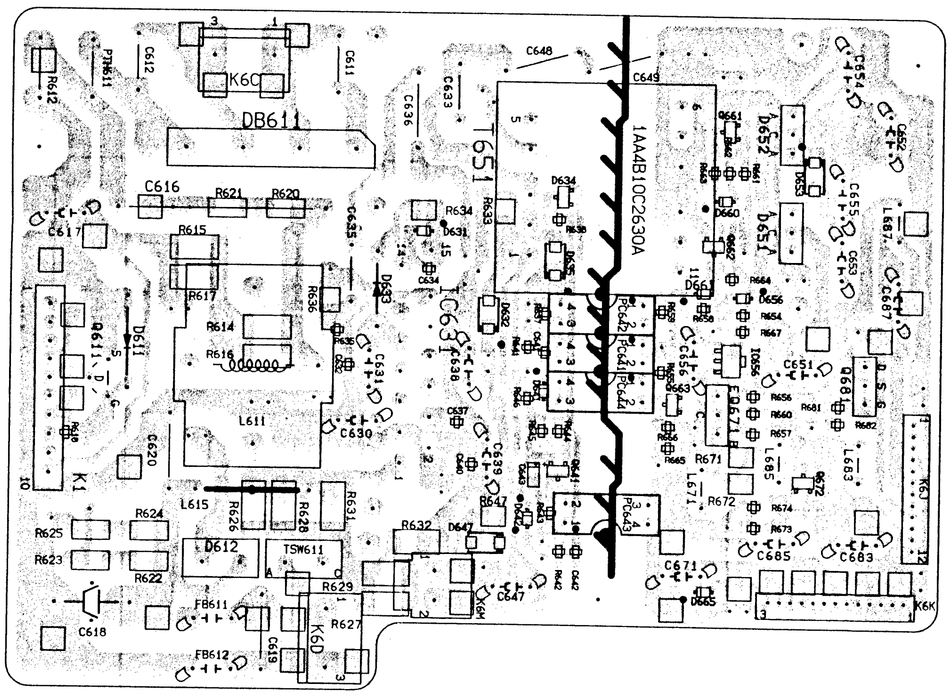

1AA4B10C2560B
K8H
C1833
Main Board
"K8G"

sformer.

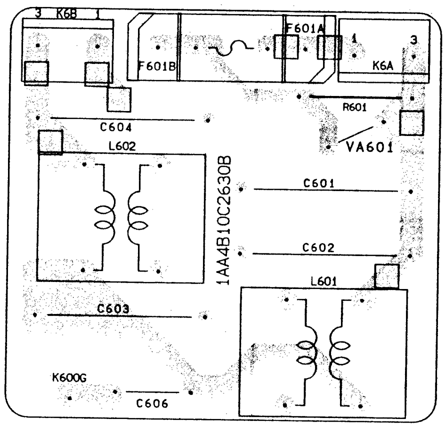
and cold sides (secondary

uit when measuring of volt-

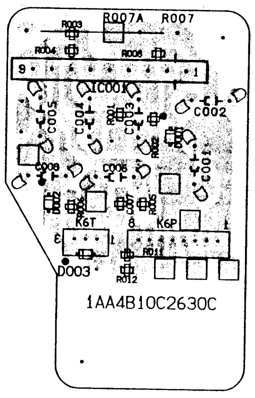
Power Board (SIDE:B)


1AA4B10C2630A
T651
IC631
DB611
K60
K1
K6D
K6K
K6J
TSW611
L611
L615
D612
C616
R621
R620
R615
R617
R614
R616
C648
C649
PC641
PC642
PC643
PC644
D651
D652
L671
L685
L683
R671
R672
C685
C683
C671
FB611
FB612
C618
C617
C620
R624
R625
R623
R622
R626
R628
R629
R627
R631
R632
D647

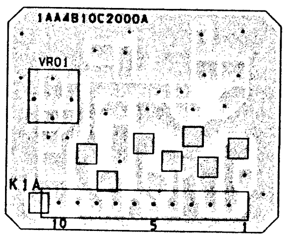
Line Filter Board (SIDE:B)


K6B
F601B
F601A
K6A
C604
L602
R601
VA601
1AA4B10C2630B
C601
C602
L601
C603
K600G
C606

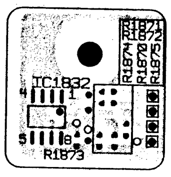
Audio Amp Board (SIDE:B)


R003
R007A
R007
R004
R005
R006
IC001
C005
C004
C003
C002
C001
K6T
K6P
D003
R011
R012
1AA4B10C2630C

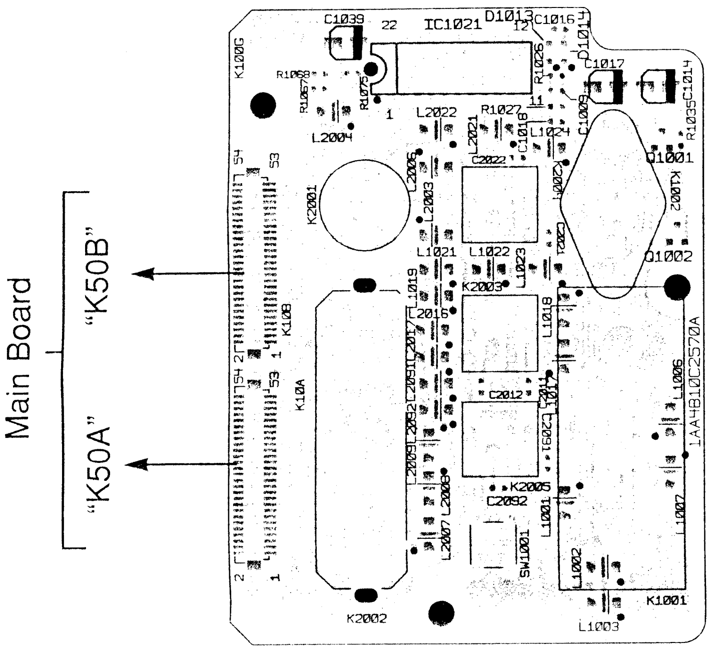
HIC Board (SIDE:B)


1AA4B10C2000A
VR01
K1A
10
5
1

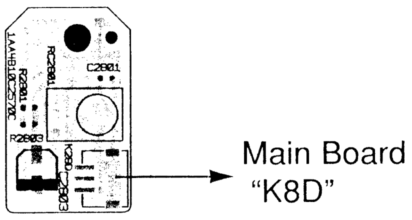
Temp Board (SIDE:B)


IC1832
R1871
R1872
R1874
R1873
4
1
5
8

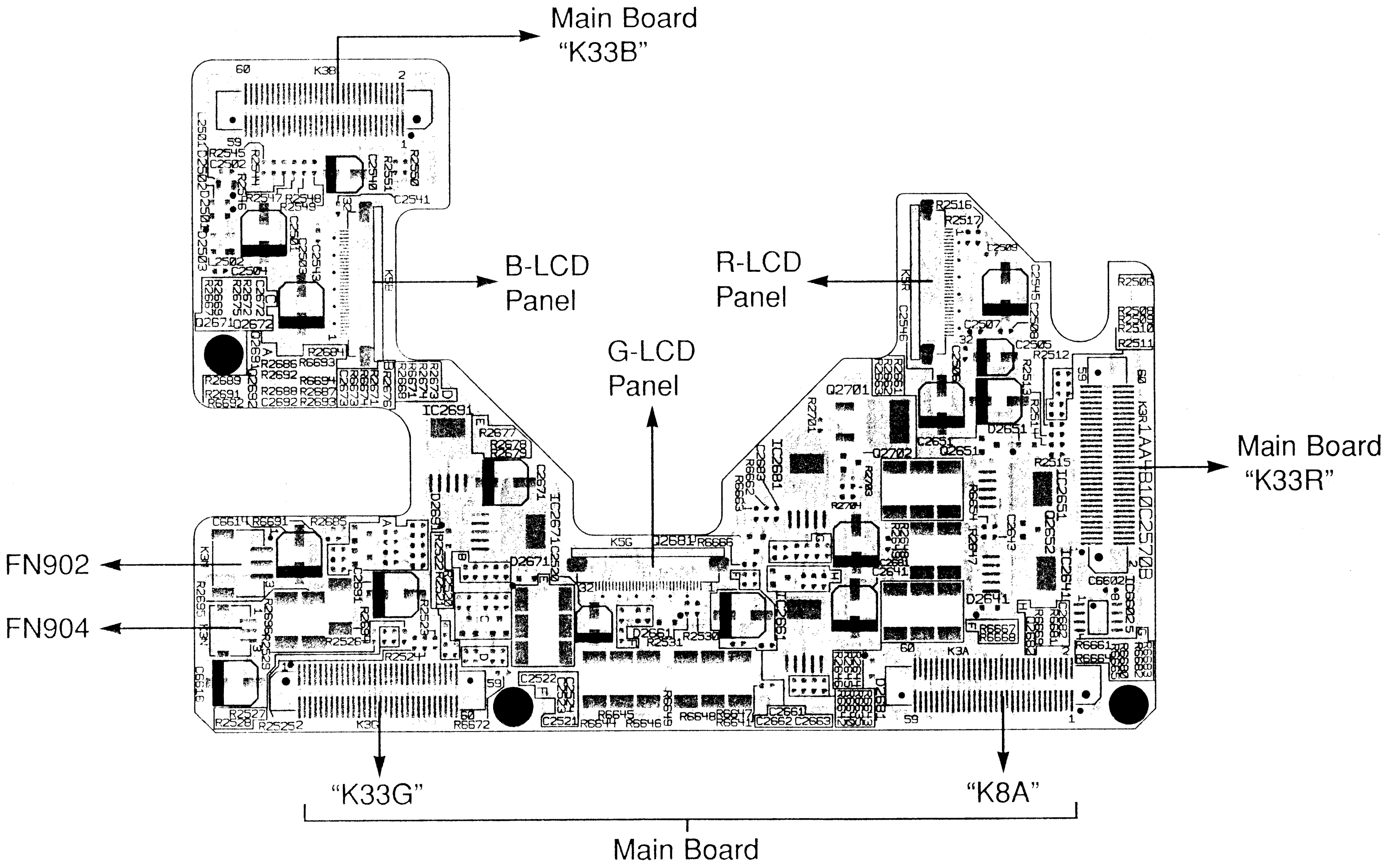
AV Board (SIDE:A)


Main Board
"K50B"
"K50A"

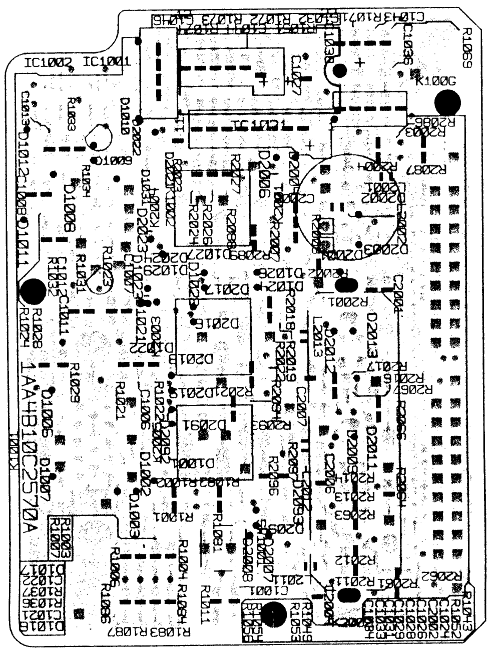
R/C Board (SIDE:A)


Main Board
"K8D"

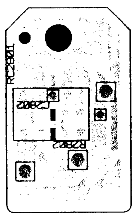
Component Board (SIDE:A)


Main Board
"K33B"
B-LCD
Panel
R-LCD
Panel
G-LCD
Panel
Main Board
"K33R"
FN902
FN904
"K33G"
"K8A"
Main Board

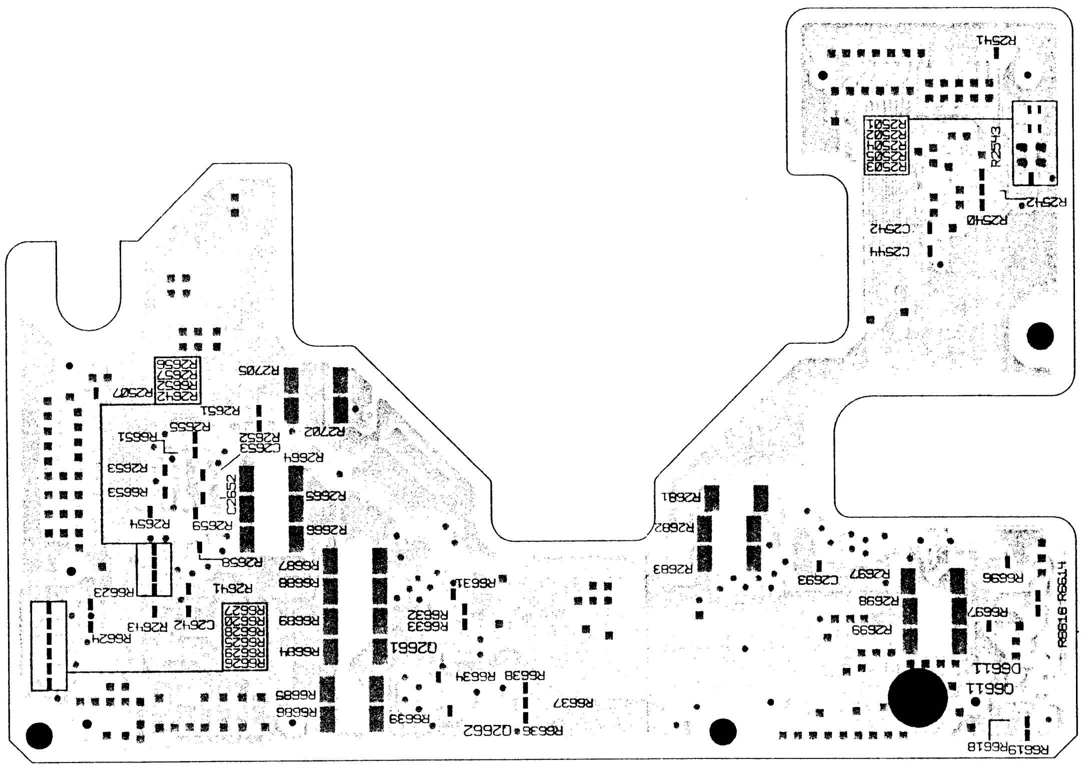
AV Board (SIDE:B)



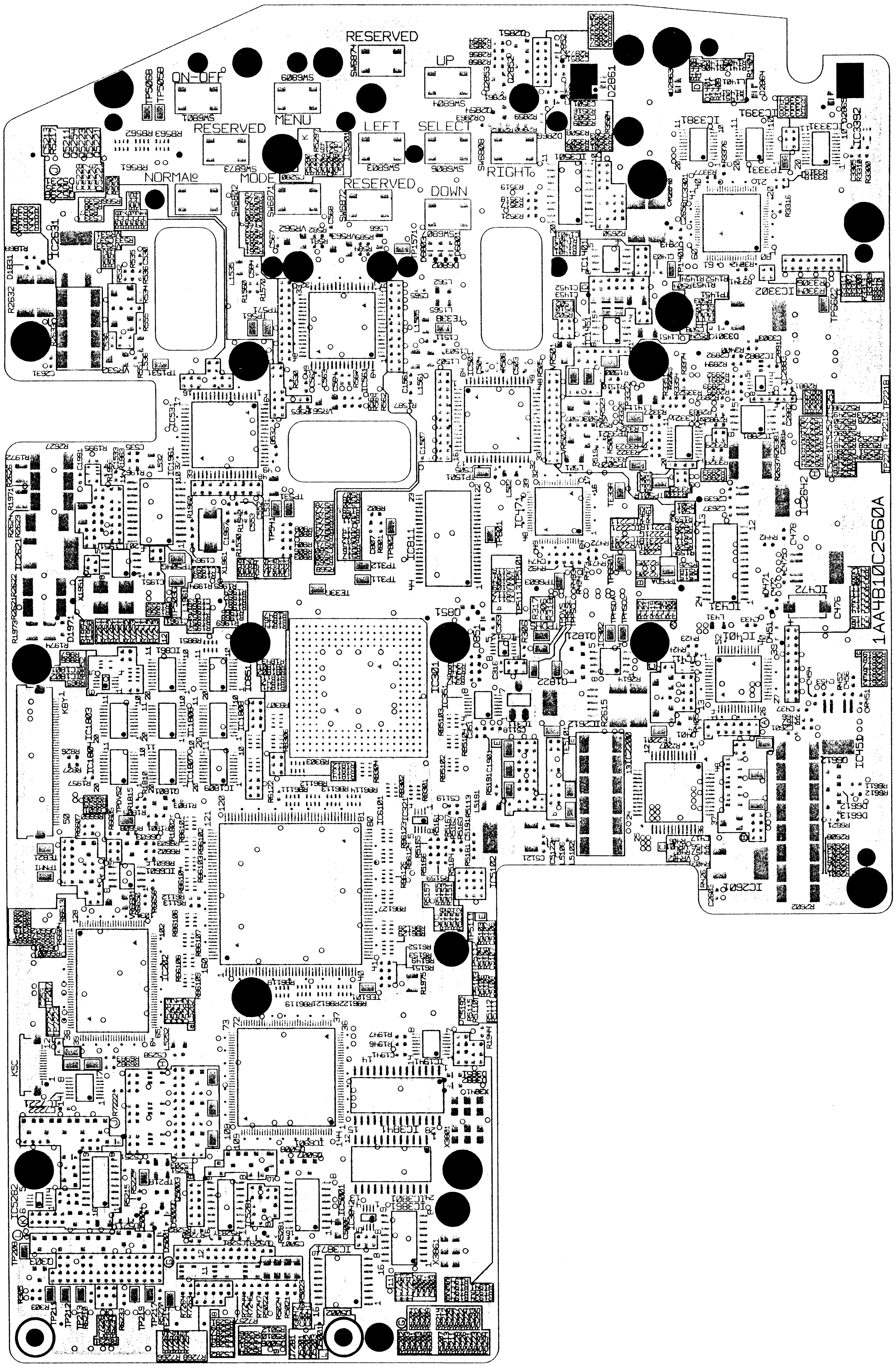
R/C Board (SIDE:B)



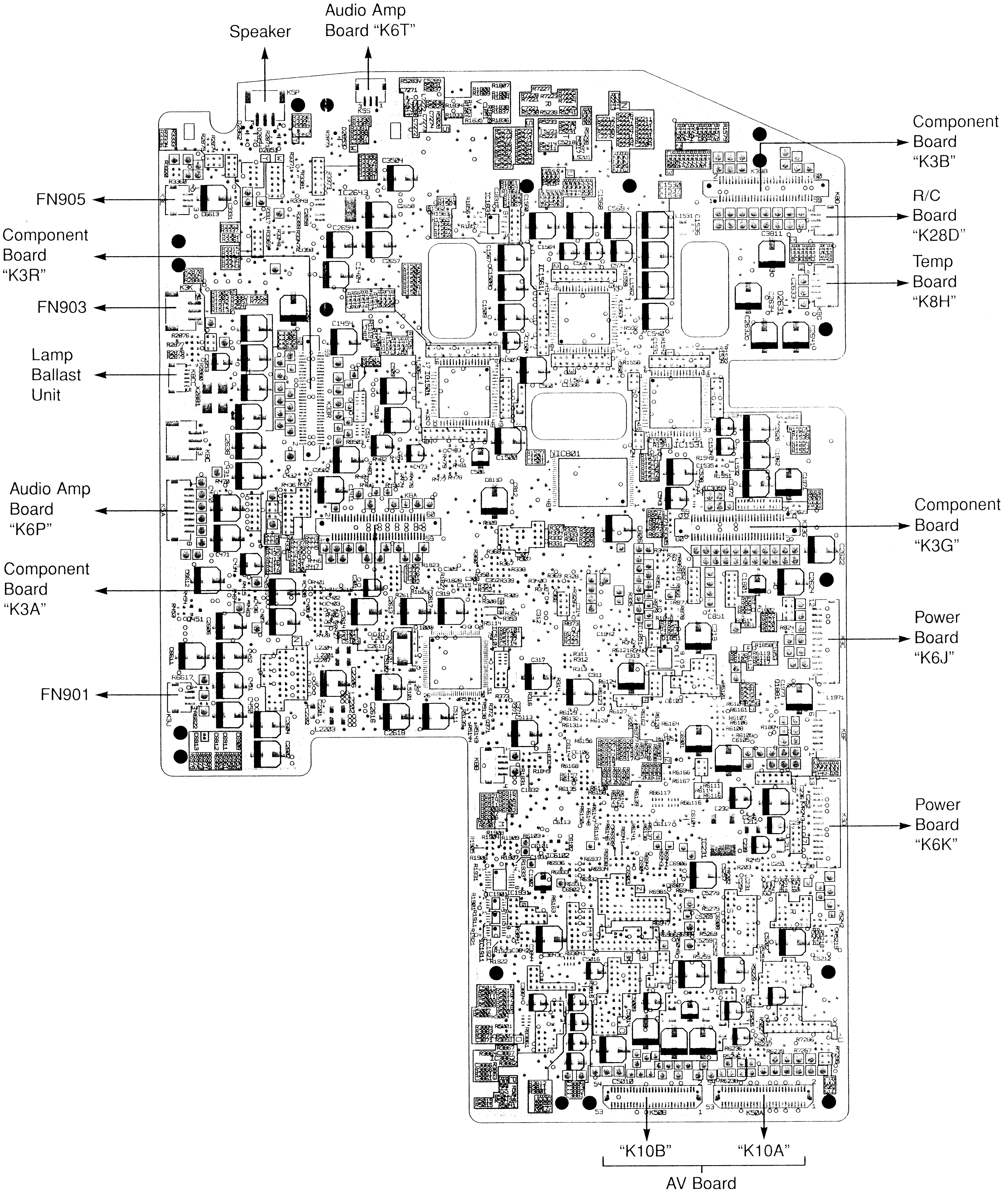
Component Board (SIDE:B)



Main Board (SIDE:A)


RESERVED
UP
ON-OFF
MENU
RESERVED
LEFT
SELECT
RIGHT
NORMAL
MODE
RESERVED
DOWN
IC301
IC471
IC401
IC472
IC3302
IC2631
IC1803
IC2601
IC3861
IC5282
1AA4B10C2560A

Main Board (SIDE:B)


Speaker
Audio Amp Board "K6T"
Component Board "K3B"
R/C Board "K28D"
Temp Board "K8H"
FN905
Component Board "K3R"
FN903
Lamp Ballast Unit
Audio Amp Board "K6P"
Component Board "K3A"
FN901
Component Board "K3G"
Power Board "K6J"
Power Board "K6K"
"K10B"
"K10A"
AV Board